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ICHTHYOPLANKTON AND STATION DATA FOR CALIFORNIA COOPERATIVE OCEANIC FISHERIES INVESTIGATIONS SURVEY CRUISES IN 1978

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NOAA-TM-NMFS-SWFC-111

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
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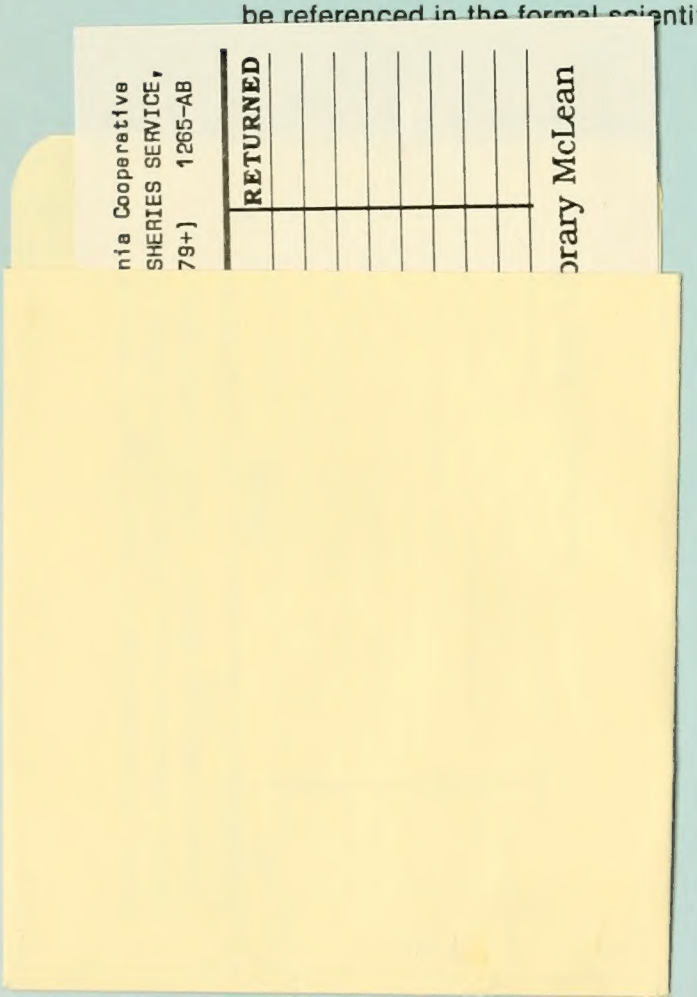

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ABSTRACT

This report provides ichthyoplankton and associated station and tow data from California Cooperative Oceanic Fisheries Investigations (CalCOFI) cruises conducted off California and Baja California in 1978. It is the twenty-second report in a series that presents these data for all biological-oceanographic CalCOFI surveys from 1951 to the present. A total of 1241 stations was occupied during seven monthly multivessel cruises over the survey area which extended from Pt. Reyes, California to Pt. San Juanico, Mexico, and seaward to several hundred miles. The data are listed in a series of 6 tables; the background, methodology, and information necessary for interpretation and quantitative analysis of the data are presented in an accompanying text. All pertinent station and tow data, including volumes of water strained and standard haul factors, are listed in the first table. Another key table lists, by station and month, standardized counts of each of the 174 larval fish categories identified from survey samples. This and previous and subsequent reports make the CalCOFI ichthyoplankton and station data available to all investigators and serve as guides to the newly developed computer data base.

INTRODUCTION

This report, the twenty-second of a series, provides ichthyoplankton and associated station and tow data from California Cooperative Oceanic Fisheries Investigations (CalCOFI) joint biological-oceanographic survey cruises conducted in 1978. This program was initiated in 1949, under the sponsorship of the Marine Research Committee of the State of California, to study the population fluctuations of the Pacific sardine (*Sardinops sagax*) and the environmental factors that may play a role in such fluctuations. CalCOFI, known as the California Cooperative Sardine Research Program from 1949 to 1953, was made up of representatives of the South Pacific Fisheries Investigations (SPFI) of the U.S. Fish and Wildlife Service [now the La Jolla Laboratory, National Marine Fisheries Service (NMFS)], the Scripps Institution of Oceanography (SIO), the California Department of Fish and Game (CDFG), the California Academy of Sciences (CAS) and the Hopkins Marine Station of Stanford University. The first three of these agencies supplied ships and personnel to conduct the sea surveys. NMFS processed the plankton samples and analyzed the ichthyoplankton from them. SIO processed and analyzed the hydrographic samples and measurements and also analyzed invertebrate groups from the plankton samples.

The boundaries, station placement, and sampling frequency for the CalCOFI survey area were based on the results of joint biological and oceanographic cruises conducted by NMFS and SIO during 1939-41. Those cruises were designed to collect sardine eggs and larvae and associated hydrographic data over the entire areal and seasonal spawning range of the species. On these survey cruises, plankton tows were made to 70 m, a depth which

encompassed the vertical distribution of sardine eggs and larvae. Wide-ranging joint biological and oceanographic survey cruises were resumed in 1949 with sardine as the focus; however, an increasing interest in other biological components resulted in the deepening of standard tows to 140 m in 1951. This marked the beginning of truly quantitative ichthyoplankton sampling on CalCOFI surveys.

Some data resulting from CalCOFI surveys in 1978 have been published. Hydrographic data (Univ. of Calif., SIO, 1982, 1986) were presented in standard formats. Distributional maps of northern anchovy (*Engraulis mordax*) larvae taken on CalCOFI surveys during 1978 are presented in the CalCOFI atlas series (Hewitt, 1980).

A computer data base for eggs and larvae of sardine and anchovy, for larvae of Pacific hake (*Merluccius productus*), jack mackerel (*Trachurus symmetricus*) and Pacific mackerel (*Scomber japonicus*), and for eggs of Pacific saury (*Cololabis saira*) was established in 1969. The development of a data base for other fish larvae is a complex undertaking because competency of identification has evolved steadily over the past 38 years. We began the task of producing a CalCOFI ichthyoplankton data base and associated data report series in 1983. All available original records for 1978 were subjected to an extensive verification and editing process to produce this report. This and previous (Ambrose et al., 1987a,b,c; 1988a,b,c; Sandknop et al., 1987a,b; 1988a,b,c; Stevens et al., 1987a,b,c; 1988a,b; Sumida et al., 1987a,b; 1988a,b,c) and subsequent reports make the CalCOFI ichthyoplankton and station data available to all investigators and serve as guides to the computer data base. The data base will be modified when additional errors are discovered and when composite taxa from the earlier years are reidentified. These reports are the fundamental reference documents against which subsequent changes in the data base can be compared.

SAMPLING AREA AND PATTERN

In 1978, the six CalCOFI survey cruises occupied stations during portions of all months from January to August. A seventh cruise (7712), conducted in November and December of 1977 was included in the 1978 data base. A total of 1241 stations was included in this data base, with an average of 177 stations per cruise (range 93-231). Coverage of the survey station pattern varied among cruises and the entire survey area was not covered on any single cruise (Figures 1-9, Table 1). The area off northern California (lines 40-57) was not surveyed in 1978. Stations off central California (lines 60-77) were surveyed on all cruises except 7712 (November-December). The area between Pt. Conception, California and Pt. San Juanico, Baja California (lines 80-137) was surveyed on 7801, 7803, 7807, and 7808. On 7712, 7804, and 7805 coverage did not extend south of line 113, off Pt. Canoa. The area off southern Baja California (lines 140-157) was not surveyed in 1978. Coverage extended seaward to

station 200 (approximately 690 miles offshore) on lines 90 and 93 (cruises 7804, 7807) and to station 180 on these lines in 7808 but typically did not extend beyond station 90 (approximately 160-260 miles offshore)[1].

Two vessels were employed on these cruises: the *David Starr Jordan* of NMFS and the *Alejandro de Humboldt* of the Instituto National de Pesca of the Mexican Federal Government. The *David Starr Jordan* participated on all seven cruises and the *Alejandro de Humboldt* was used on six (Univ. of Calif., SIO, 1982, 1986).

After 1969, CalCOFI surveys were made on a triennial basis. These began in 1972 and continued every 3 years (1975, 1978, 1981, 1984) until 1985 when annual surveys were resumed.

SAMPLING GEAR AND METHODS

In 1978, the standard 1-m ring net with towing bridle was replaced by a bridle-free "bongo" net. The bongo frame (McGowan and Brown, 1966; Smith and Richardson, 1977) consists of a pair of circular frames connected by a central axle which is horizontal to the towing wire and attached to it by a clamp. The axle is free to rotate so that the mouth openings are vertical during the tow. The standard CalCOFI version of the bongo net has 71 cm diameter frames and net material constructed of nylon mesh. Each net consists of a cylindrical section ca. 146 cm long, a truncated conical section ca. 161 cm long, and a detachable cod end. The starboard net, from which the standard sample is taken, is constructed of 0.505 mm mesh. The sample from the port net is used for other purposes; the mesh size is either 0.505 mm or 0.333 mm mesh depending on requirements. The cod end of each net is constructed of 0.333 mm mesh (W. C. Flerx, pers. comm.). A flowmeter is suspended in the center of the mouth of each net to measure volume of water filtered. On cruise 7712 the bongo net was lost and replaced with a standard CalCOFI 1-m net for stations 100.80 through 103.80.

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[1]CalCOFI lines (Figure 9) are arranged perpendicular to the coastline and extend from the Canadian border (line 10) to below Cape San Lucas, Baja California (line 157). Stations were established on the basis of a perpendicular to line 80 (off Pt. Conception) at a point designated as station 60. Stations were plotted seaward and shoreward from station 60 on each line. Cardinal CalCOFI lines (those ending in "0") are 120 miles apart and usually bracket two ordinal lines (ending in "3" or "7"), so that lines are 40 miles apart over most of the pattern. Cardinal stations are 40 miles apart and typically these are separated by a station number ending in "5" so that stations are 20 miles apart out to station 90 on most lines. Stations are placed at closer intervals near the coast and islands to accommodate these features (see Kramer et al., 1972 for further details).

The standard tow in 1978 was an oblique haul to ca. 210 m depth (to 15 m of the bottom in shallow areas) designed to filter a constant amount of water per depth interval (ca. $2m^3/m$ of depth) over the vertical range of most ichthyoplankters. Hauls were made at a ship speed of 1.5-2.0 knots and initiated by clamping the net to the towing cable with a 34 kg terminal weight below the surface. The net was lowered to ca. 210 m depth by paying out 300 m of wire over a 6 minute period (35 m of depth/min.). After fishing at depth for 30 seconds, the net was retrieved at 20 m/min. (14 m depth/min.). The angle of stray of the towing cable was recorded every 30 seconds and maintained at 45° (±3°) by adjusting the ship speed and course. After reaching the surface, the nets were washed down and the samples preserved in 5% formalin buffered with sodium borate. Flowmeter readings were made at the beginning and end of each tow. Descriptions of the methods are given by Kramer et al. (1972) and Smith and Richardson (1977). The bongo net frame is described in McGowan and Brown (1966) and Smith and Richardson (1977).

LABORATORY PROCEDURES

Laboratory processing began with the determination of a displacement volume for each sample (methods described in Staff, SPFI, 1953 and Kramer et al., 1972). Sorting involved the removal of ichthyoplankton from the sample and identification and separation of: eggs and larvae of Pacific sardine and northern anchovy; larvae of Pacific hake; and eggs of Pacific saury. Some samples were fractioned into aliquots using a Folsom plankton splitter (McEwen et al., 1954) prior to sorting. Criteria for fractioning were: 1) samples taken at a distance greater than 200 nautical miles from shore were not fractioned, 2) samples taken closer than 200 miles from shore and containing 25 ml of plankton or less were not fractioned, and 3) samples taken closer than 200 miles from shore and containing more than 25 ml of plankton were fractioned to 50% of their original volume (J. R. Thrailkill, pers. comm.). Aliquot percentages for fractioned samples from 1978 are listed in Table 1 under the "Percent Sorted" column; 46.4% of the samples collected in 1978 were fractioned.

A "standard haul factor" (SHF) was calculated for each tow to make them comparable and allow estimations of areal abundance. This factor adjusts the number of eggs or larvae in a haul to the number in 10 m^3 of water strained per meter of depth fished. If the vertical distribution of the species has been encompassed, then the adjusted value is equivalent to the number under 10 m^2 of sea surface. The SHF is calculated for each haul by the formula:

$$SHF = \frac{10\ D}{V}$$

where D = depth of haul = cosine of the average angle of stray of the towing cable multiplied by cable length (m)

V = total volume of water (m^3) strained during the haul

$V = R \cdot a \cdot p$

where R = total number of revolutions of the current meter during the haul

a = area (m^2) of the mouth of the net

p = length of column of water (m) needed to produce one revolution of the current meter.

Tow depth, volume of water strained, and standard haul factor are listed in Table 1 for each tow taken during 1978. Detailed descriptions of factors involved in calculating these values are presented in Ahlstrom (1948), Kramer et al. (1972), and Smith and Richardson (1977).

IDENTIFICATION

Identification of ichthyoplankton species beyond those separated during the sorting process was carried out by a separate group of specialists. Ontogenetic stages of fishes are inherently difficult to identify and this is further complicated by the large number and diversity of species which contribute to the ichthyoplankton of the California Current region. Most identifications were accomplished by establishing ontogenetic series on the basis of morphology, meristics, and pigmentation and then identifying these series by relating them to known metamorphic, juvenile, or adult stages with overlapping features (Powles and Markle, 1984). A total of 172 taxa was identified for 1978, with 103 taken to species, 38 to genus, 26 to family, and 5 to order or suborder. In the decade of the 1970's some taxa were identified for the first time. These included larvae of the bathylagid *Bathylagus longirostris*, the gonostomatids *Danaphos oculatus* and *Valencienellus stellatus*, the myctophid *Bolinichthys* spp., and the trichiurid *Lepidopus xantusi*. Larvae in the families Scopelarchidae and Nomeidae were identified to genus or species. Five species of rockfish in the *Sebastes* group were also identified: *S. aurora, S. jordani, S. levis, S. macdonaldi,* and *S. paucispinis*.

The task of producing a reliable and equitable ichthyoplankton data base required extensive procedures to verify, correct, and edit the original identifications. The primary data source was the original identification sheets (see Kramer et al., 1972, for examples); however, a critical resource used in all phases of this process was the CalCOFI

ichthyoplankton collection in which the samples are archived. Throughout the course of CalCOFI ichthyoplankton studies, samples have been identified to the lowest taxon possible. In reviewing these identifications for the data base, our approach has been conservative and we have preserved those identifications and counts which we could confirm, while correcting as many of the errors as possible. After computer entry, taxonomic errors and inconsistencies in the data base were corrected and the most obvious identification errors were corrected. Our current knowledge of ichthyoplankton techniques coupled with a precise understanding of the development of identification competency in the program over the years allowed us to critically judge the historical records. Identifications were changed to different taxa, lumped to a higher taxonomic category, or given a more precise taxonomic name. In some cases, identifications of a taxon were inconsistent among cruises in a year. These records were made equitable by lumping to the higher taxonomic category to avoid biases that could result in quantitative misinterpretation.

Next, statistical, seasonal, and geographic outliers were identified, employing a series of graphic summaries and listings. Examination of geographic outliers proved to be especially effective because of our accumulated knowledge of species distributions. In the course of examining samples for these outliers, other identification errors were discovered and eventually all taxa were scrutinized to some extent. Lastly, certain taxa were reexamined in all samples for the entire CalCOFI time series. These taxa were selected because of their commercial, ecological, phylogenetic, or zoogeographic importance or because taxonomic confusion was at the ordinal level. The following is a list of the taxa for 1978 which received special attention, with explanations and caveats intended to aid in quantitative interpretations:

Anguilliformes - tentative and sporadic identifications to family or lower taxon lumped to order.

Sardinops sagax - all specimens south of line 120 checked for misidentification of *Opisthonema* spp.

Engraulis mordax - some nearshore samples of small *E. mordax* may contain other anchovy genera which could not be differentiated.

Nansenia spp. - all specimens checked and identified as *N. candida* or *N. crassa*; all specimens of these species near their range boundaries checked.

Bathylagus spp. - includes small and/or disintegrated specimens of *Bathylagus* or *Leuroglossus stilbius*.

Bathylagus longirostris - all specimens checked.

Bathylagus wesethi - specimens seaward of station 120 checked.

Osmeridae - specimen checked.

Stomiiformes - all specimens checked and identified to genus or species; residuals are small, poorly preserved or unavailable specimens.

Cyclothone spp. - tentative and sporadic identifications to species were lumped to genus.

Gonostoma spp. - all specimens checked.

Vinciguerria lucetia - specimens taken seaward of station 100 checked for misidentification of *V. poweriae*; some *V. poweriae* may remain in these samples because small larvae of the two species could not be differentiated; sporadic identification of *V. poweriae* began in 1961.

Vinciguerria poweriae - all specimens checked.

Valenciennellus stellatus - all specimens checked.

Sternoptychidae - tentative and sporadic identifications of hatchetfishes to genus were lumped to family.

Bathophilus spp. - all specimens checked.

Tactostoma macropus - all specimens checked.

Paralepididae - all specimens examined and identified to species; residuals are small, poorly preserved or unavailable specimens.

Aulopus spp. - specimen checked.

Scopelarchidae - all specimens reidentified to species except *Scopelarchus*; residuals are small, poorly preserved or unavailable specimens.

Scopelarchus spp. - tentative and sporadic identifications to species lumped to genus.

Bolinichthys spp. - all specimens checked.

Lampanyctus spp. - tentative and sporadic identifications to species lumped to genus.

Lampanyctus regalis - underrepresented because of inability to differentiate small larvae (<5 mm) from those of other species of the genus; counts may include other species of the genus because of difficulty in identifying larvae of this large and complex genus.

Lampanyctus ritteri - comment for *L. regalis* applies to this species.

Parvilux ingens - all specimens checked.

Stenobrachius leucopsarus - all specimens seaward of station 100 checked.

Taaningichthys minimus - specimen checked.

Triphoturus mexicanus - specimens seaward of station 100 checked for misidentification of *T. nigrescens*.

Triphoturus nigrescens - all specimens checked.

Diogenichthys laternatus - all specimens at margins of range checked.

Hygophum spp. - all specimens reidentified to species; residuals are small, poorly preserved or unavailable specimens.

Hygophum atratum - specimens at margins of range checked.

Hygophum reinhardtii - specimens at margins of range checked.

Protomyctophum crockeri - all specimens seaward of station 100 checked.

Symbolophorus californiensis - all specimens seaward of station 100 checked.

Moridae - specimen checked.

Ophidiiformes - this category did not exist originally and unidentified larvae of this order, including a type referred to as "Zoarcidae", were originally placed in the "blenny" category.

Chilara taylori - all specimens checked.

Ophidion scrippsae - all specimens checked.

Trachipteridae - tentative and sporadic identifications to genus were lumped to family.

Melamphaes spp. - all identifications ascribed to Melamphaidae were reexamined and assigned to genus (*Melamphaes*, *Poromitra*) or species (*Scopelogadus bispinosus*, *Scopeloberyx robustus*); larvae originally identified as *Melamphaes* spp. were not reexamined and this category may contain other melamphaid genera.

Cottidae - all specimens checked.

Zaniolepis spp. - all specimens checked.

Labridae - all specimens originally identified to family were reexamined and assigned to genus (*Halichoeres* spp.) or species (*Oxyjulis californica*, *Semicossyphus pulcher*).

Chromis punctipinnis - records south of about line 120 may include other pomacentrid taxa.

Howella brodiei - all specimens checked; some originally identified as Apogonidae; in this report we list *H. brodiei* in the family Apogonidae for convenience, recognizing that its systematic affinities are not resolved.

Carangidae - all specimens checked; tentative and sporadic identifications to genus or species (except *Trachurus symmetricus* and *Seriola lalandi*) were lumped to family.

Seriola lalandi - all specimens checked.

Gerreidae - tentative and sporadic identifications to genus lumped to family.

Haemulidae - tentative and sporadic identifications to genus lumped to family.

Girella nigricans - all specimens checked.

Medialuna californiensis - specimen checked.

Caulolatilus princeps - all specimens checked.

Sciaenidae - tentative and sporadic identifications to genus lumped to family.

Serranidae - tentative and sporadic identifications to genus lumped to family.

Scombridae - all larvae identified to this family or constituent taxa (except *Scomber japonicus*) were reexamined and reassigned; residuals are small, poorly preserved or unavailable specimens.

Cubiceps caeruleus - specimen checked.

Psenes pellucidus - all specimens checked.

Pleuronectiformes - all specimens of this category were examined and reidentified; residuals are small, poorly preserved or unavailable specimens.

Bothidae - all specimens examined and reassigned; most were assigned to various paralichthyid genera.

Citharichthys spp. - all larvae identified to species were lumped to genus except *C. stigmaeus*; category includes larvae of *Etropus* spp.

Citharichthys stigmaeus - includes larvae larger than ca. 4.5 mm; smaller larvae are in *Citharichthys* spp.

Paralichthys californicus - all specimens examined.

Xystreurys liolepis - originally misidentified as *Paralichthys californicus*; all specimens reidentified.

Glyptocephalus zachirus - all specimens examined.

Isopsetta isolepis - specimen examined.

Lepidopsetta bilineata - specimen examined.

Microstomus pacificus - all specimens examined.

Pleuronichthys spp. - all larvae of this genus and constituent species were examined and assigned to species.

Psettichthys melanostictus - all specimens examined.

COMPUTER ENTRY AND EDITING

Each taxon on the original identification sheets was given a 3-digit code based on the list of codes in Haight et al. (1979). Taxon codes and counts from these sheets were keypunched by cruise and station, along with pertinent station and tow data and entered into the VAX 11/780 computer at the University of California, San Diego, Computing Center. After entries were completed for an entire year, print-out listings of taxa and counts on each station were compared with the original data sheets to eliminate keypunch errors. Next, data in the file were cross-checked with data on an existing file which contained: station and tow data; numbers of eggs of sardine, anchovy, and saury; numbers of larvae of sardine, anchovy, hake, jack mackerel, and Pacific mackerel; total number of fish eggs; and total number of fish larvae.

Discrepancies in ichthyoplankton data in these two files were corrected by inspecting original records from the sorting laboratory, the original ichthyoplankton identification sheets, and the samples themselves. Station and tow data discrepancies between the two files were corrected by reviewing ships' logs and deck tow sheets, original records from the sorting laboratory, cruise announcements, publications, header information on the ichthyoplankton identification sheets, and station plots generated for each cruise. Eventually all station and tow data were checked by comparing these sources.

The corrected ichthyoplankton data base was then examined statistically and outliers were found and checked as above. Distributional plots were then prepared for each taxon and these were checked by reviewing the data sources mentioned above and by examining archived specimens. A listing of each taxon by station (Table 4) was produced, which became the primary document for subsequent checks. Misidentifications found in geographic outlier checks and other misidentifications and data problems

discovered in the course of examining archived samples resulted in several iterations of Table 4. Finally, totals in Table 4 were checked against annual summaries of incidence and abundance (Tables 2 and 3). Ecological analyses of the data were conducted concurrently with editing procedures and provided cross-checks that allowed correction of errors.

SPECIES SUMMARY

Larvae of northern anchovy (*Engraulis mordax*) represented 46.1% of all fish larvae taken on CalCOFI cruises during 1978 and numbered three times as many as the gonostomatid *Vinciguerria lucetia*, the next most abundant taxon with 13.8% of the total larvae (Table 2, 3). Northern anchovy also ranked first in incidence; *Vinciguerria lucetia* ranked 3rd. Pacific hake, *Merluccius productus*, ranked 3rd in abundance (5.2%) but only 14th in occurrence. Larvae of *Sebastes* spp., a composite of about 70 species, ranked 4th in abundance (4.8%) and 2nd in occurrence. The family Sciaenidae and the deepsea smelt *Leuroglossus stilbius* ranked 5th and 6th in abundance but only 28th and 13th in occurrence, suggesting relatively large sample sizes. The myctophid *Triphoturus mexicanus* also ranked in the top 10 in both abundance (7th) and occurrence (8th). Another myctophid, *Stenobrachius leucopsarus*, ranked 8th in abundance and 11th in occurrence. Two deepsea smelts (*Bathylagus ochotensis* and *Bathylagus wesethi*) completed the 10 most numerous taxa, ranking 9th and 10th; they ranked 4th and 10th in occurrence, respectively. The 10 taxa contributed 82.3% of all larvae taken during 1978; the remaining 17.7% was represented by 162 taxa plus the unidentified and disintegrated categories. The top 10 taxa comprised 3 coastal demersal taxa, 1 coastal pelagic species, and 6 midwater species.

EXPLANATION OF TABLES

Table 1 - This table lists by cruise the pertinent station and tow data for 1978 (including November and December, 1977), the volume of water filtered and standard haul factor for each tow, the percent of sample sorted, and the total numbers of fish eggs and larvae. CalCOFI cruises are designated by four digits; the first two indicate the year and the second two the month. Within each cruise the data are listed in order of increasing line and station number (southerly and seaward directions); the order of station occupancy is shown on the station charts (Figures 2-8). Stations are designated by two groups of digits; the first set indicates the line and decimal fraction and the second set indicates the station on the line. Time is listed as Pacific Standard Time at the start of each tow in 24-hour designation. Methods for determining tow depth, volume of water strained, standard haul factor, and percent sorted were described in the methods

section. The values for total fish eggs and larvae represent raw counts (unadjusted for percent sorted or standard haul factor). Ship codes are as follows: JD, *David Starr Jordan*; VA, *Alejandro de Humboldt*.

Table 2 - This table lists pooled occurrences of all larval fish taxa taken during the 1978 survey in ranked order.

Table 3 - This table lists pooled counts of all larval fish taxa taken during the 1978 survey in ranked order. Numbers are adjusted for percent sorted and standard haul factors.

Table 4 - This table gives numbers of fish larvae for each taxon, listed by station and calendar month in which the tow was taken. Counts are adjusted for percent of sample sorted and standard haul factor. Average values are given for stations occupied more than once during a month. See Table 1 for station and tow data and Table 6 for listing of stations with multiple occupancies during a month. Multiple occupancies occurred when a station was occupied more than once during a calendar month; in some cases, multiple occupancies resulted from separate cruises. The orders are listed in "phylogenetic" sequence modified from Nelson (1984). Subtaxa within each order are listed alphabetically. Page numbers for each taxon are given in the index at the end of the report.

Table 5 - This table is a summary of pooled occurrences of all larval fish taxa taken on CalCOFI surveys from 1972 to 1981. Taxa are listed in the same order as in Table 4.

Table 6 - List of stations with multiple occupancies in one month during 1978.

ACKNOWLEDGMENTS

The senior author originally identified larvae from CalCOFI cruise 7712. Elizabeth Stevens, Morgan Busby and Susan D'Vincent identified larvae from cruises of 1978. Ronald Whyte coded each larval fish taxon or type and Rita Ford entered them into the computer. Debby Snow efficiently assisted in all aspects of data editing and retrieval. James Ryan provided programming assistance. Dorothy Roll designed the CalCOFI data acquisition system and provided data processing support. Ken Raymond, Roy Allen, and Henry Orr helped with graphics and production of the report. Lorraine Prescott prepared the manuscript for printing. Paul Smith determined statistical outliers, provided assistance during geographical outlier checks and offered helpful suggestions throughout the project. Izadore Barrett, Director of the Southwest Fisheries Center provided support critical to the completion of the project. James Thrailkill planned CalCOFI surveys and supervised cruises, data handling, and plankton

sorting from 1949 to 1986 and is largely responsible for the high quality of these operations. Without the vision and direction of Elbert Ahlstrom and Elton Sette and the dedicated efforts of the many people who collected, processed, and analyzed the samples, this data base would not exist. During the final stages of preparing this report, Reuben Lasker succumed to cancer. As Chief of the Coastal Fisheries Resources Division, SWFC, his encouragement and support for all of us involved in the sea surveys, sample processing, and data base and report preparation were unwavering. We dedicate this work to his memory.

LITERATURE CITED

Ahlstrom, E. H. 1948. A record of pilchard eggs and larvae collected during surveys made in 1939 to 1941. U.S. Fish Wildl. Serv. SSRF 54, 82 p.

Ambrose, D. A., R. L. Charter, H. G. Moser, and C. R. Santos Methot. 1987a. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1951. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 79, 196 p.

Ambrose, D. A., R. L. Charter, H. G. Moser, and C. R. Santos Methot. 1987b. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1955. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 83, 185 p.

Ambrose, D. A., R. L. Charter, H. G. Moser, and C. R. Santos Methot. 1987c. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1960. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 88, 253 p.

Ambrose, D. A., R. L. Charter, H. G. Moser, and B. S. Earhart. 1988a. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1963. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 94, 209 p.

Ambrose, D. A., R. L. Charter, H. G. Moser, and B. S. Earhart. 1988b. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1967. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 98, 103 p.

Ambrose, D. A., R. L. Charter, H. G. Moser, and B. S. Earhart. 1988c. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1975. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 110, 229 p.

Haight, C. A., H. G. Moser, and P. E. Smith. 1979. Data entry programs: CalCOFI. II. Fish eggs and larvae identification sheet. National Marine Fisheries Service, Southwest Fisheries Center, La Jolla, Admin. Rept. No. LJ-79-25.

Hewitt, R. 1980. Distributional atlas of fish larvae in the California Current region: northern anchovy, *Engraulis mordax* Girard, 1966 through 1979. CalCOFI Atlas No. 28: xi + 101 p.

Kramer, D., M. Kalin, E. G. Stevens, J. R. Thrailkill, and J. R. Zweifel. 1972. Collecting and processing data on fish eggs and larvae in the California Current Region. NOAA Tech. Rep. NMFS Circ. 370, 38 p.

McEwen, G. F., M. W. Johnson, and T. R. Folsom. 1956. A statistical analysis of the performance of the Folsom Plankton Sample Splitter, based on test observations. Arch. Meteor. Geophys. Bioklim. Ser. A, 7:502-527..

McGowan, J. A. and D. M. Brown. 1966. University of California, Scripps Institution of Oceanography. A new opening-closing paired zooplankton net. SIO Ref. 66-23.

Nelson, J. S. 1984. Fishes of the world. John Wiley and Sons, N.Y., 523 p.

Powles, H. and D. F. Markle. 1984. Identification of larvae, p. 31-33. In: Ontogeny and systematics of fishes. H. G. Moser, W. J. Richards, D. M. Cohen, M. P. Fahay, A. W. Kendall, Jr., and S. L. Richardson (eds.). Spec. Publ. No. 1. Amer. Soc. Ichthyol. Herpetol., 760 p.

Sandknop, E. M., R. L. Charter, H. G. Moser, and J. D. Ryan. 1987a. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1952. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 80, 207 p.

Sandknop, E. M., R. L. Charter, H. G. Moser, and J. D. Ryan. 1987b. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1958. U.S. Dep. Commer. NOAA Tech. Memo., NMFS, SWFC, No. 86, 248 p.

Sandknop, E. M., R. L. Charter, H. G. Moser, C. A. Meyer, and A. E. Hays. 1988a. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1961. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 92, 167 p.

Sandknop, E. M., R. L. Charter, H. G. Moser, C. A. Meyer, and A. E. Hays. 1988b. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1964. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 95, 222 p.

Sandknop, E. M., R. L. Charter, H. G. Moser, C. A. Meyer, and A. E. Hays. 1988c. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1968. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 99, 112 p.

Smith, P. E. and S. L. Richardson. 1977. Standard techniques for pelagic fish egg and larva surveys. FAO Fish. Tech. Pap. No. 175, 100 p.

Staff, South Pacific Fishery Investigations. 1953. Zooplankton volumes off the Pacific Coast, 1952. U.S. Fish Wildl. Serv. SSRF 100, 41 p.

Stevens, E. G., R. L. Charter, H. G. Moser, and M. S. Busby. 1987a. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1953. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 81, 186 p.

Stevens, E. G., R. L. Charter, H. G. Moser, and M. S. Busby. 1987b. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1956. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 84, 189 p.

Stevens, E. G., R. L. Charter, H. G. Moser, and M. S. Busby. 1987c. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1959. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 87, 273 p.

Stevens, E. G., R. L. Charter, H. G. Moser, and L. R. Zins, 1988a. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1965. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 96, 220 p.

Stevens, E. G., R. L. Charter, H. G. Moser, and L. R. Zins. 1988b. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1969. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 100, 265 p.

Sumida, B. Y., R. L. Charter, H. G. Moser, and D. L. Snow. 1987a. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1954. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 82, 207 p.

Sumida, B. Y., R. L. Charter, H. G. Moser, and D. L. Snow. 1987b. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1957. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 85, 225 p.

Sumida, B. Y., R. L. Charter, H. G. Moser, and D. L. Snow. 1988a. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1962. U.S. Dep. Commer., NOAA Tech. Memo, NMFS, SWFC, No. 93, 179 p.

Sumida, B. Y., R. L. Charter, H. G. Moser, and D. L. Snow. 1988b. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1966. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 97, 287 p.

Sumida, B. Y., R. L. Charter, H. G. Moser, and D. L. Snow. 1988c. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1972. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 109, 219 p.

University of California, Scripps Institution of Oceanography. 1982. Data report: physical and chemical data, CalCOFI Cruises 7712, 7801, 7803, 7804. SIO Ref. 82-21.

University of California, Scripps Institution of Oceanography. 1986. Data report: physical and chemical data, CalCOFI Cruises 7805, 7807, 7808. SIO Ref. 86-2.

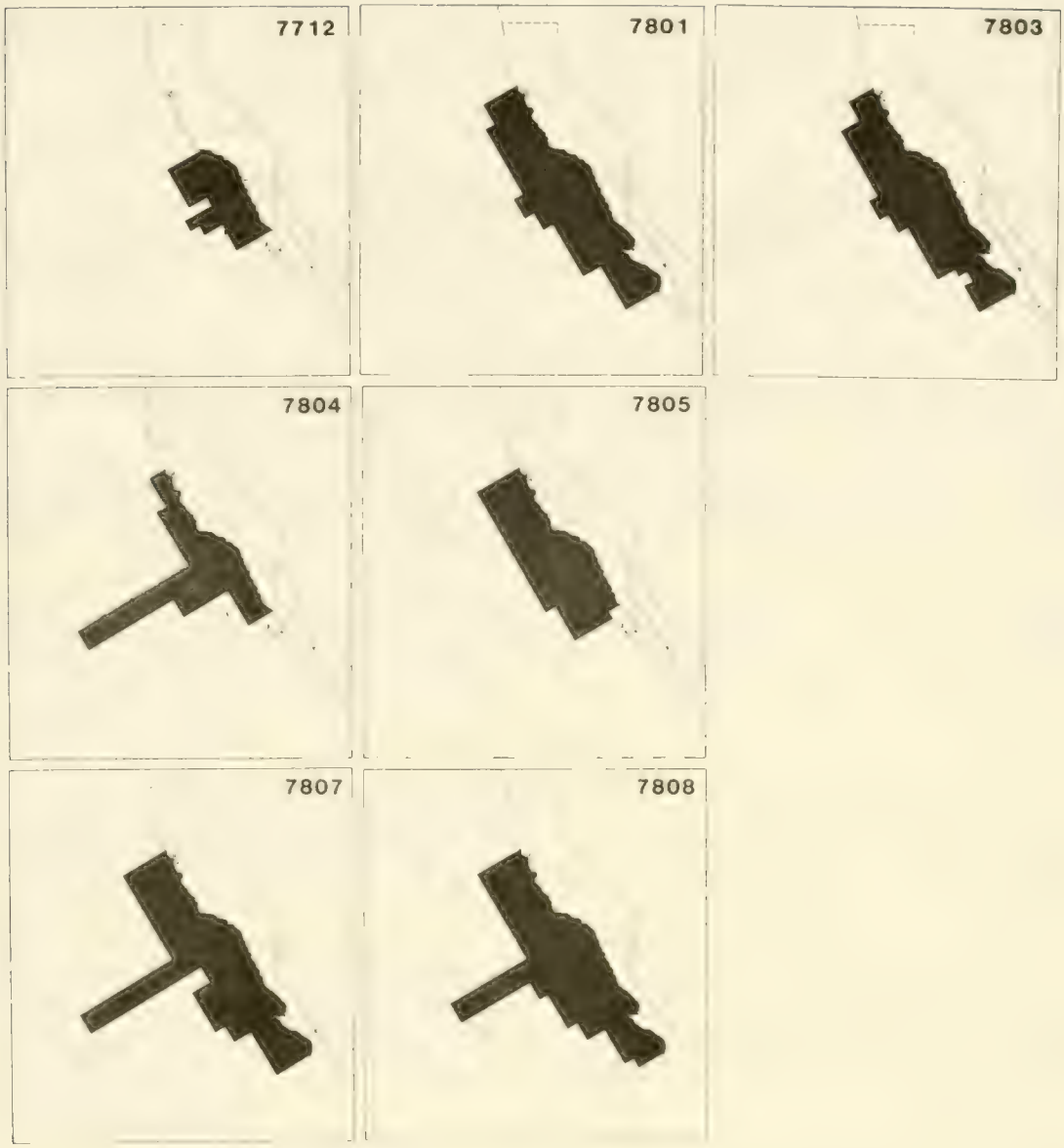

Figure 1. Composite arrangement of diagrammatic charts showing areas sampled on each CalCOFI cruise during 1978.

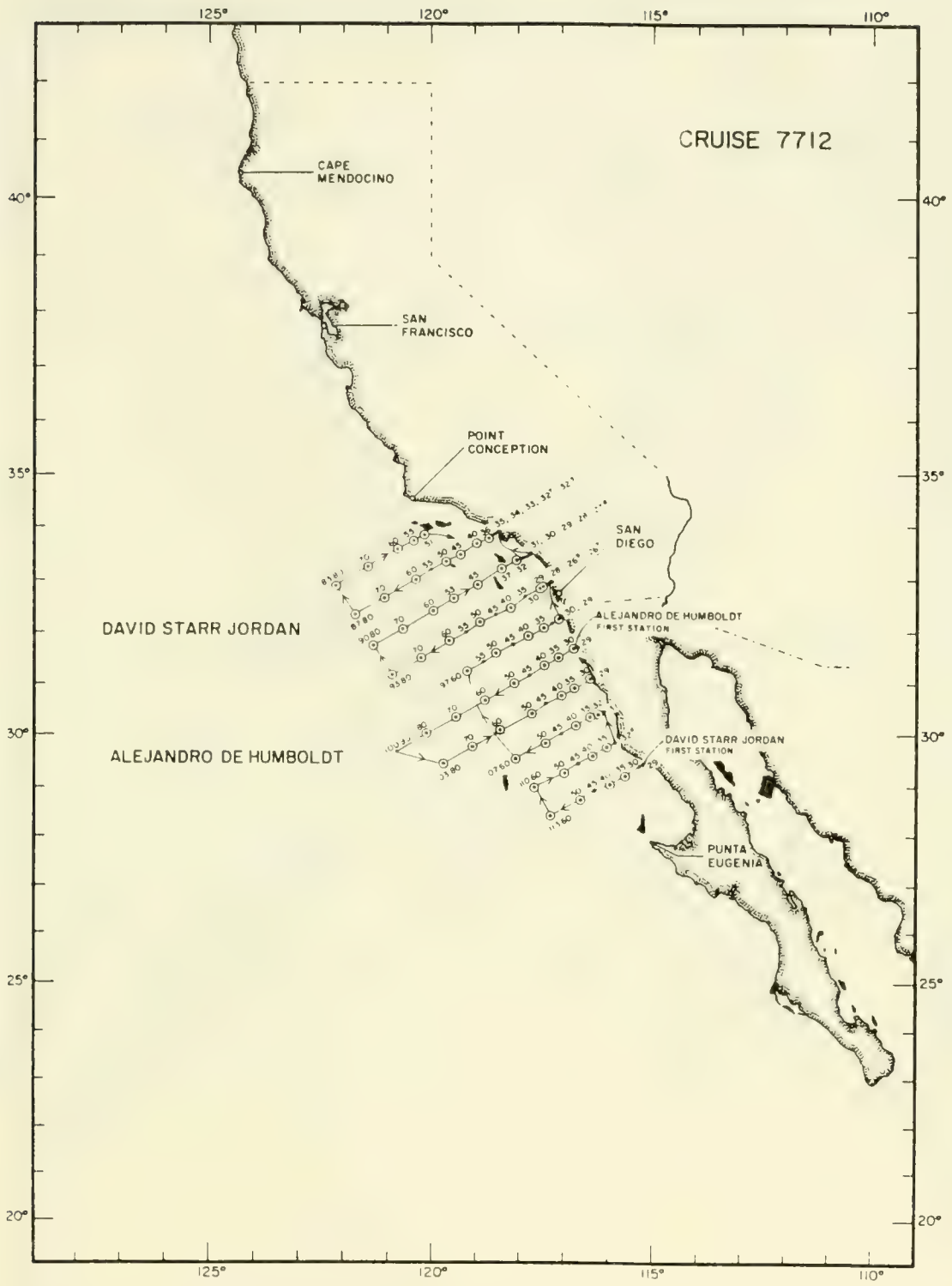

Figure 2. Station pattern for CalCOFI Cruise 7712 showing tracks for each vessel. Stations with plankton tows are indicated by a dot; circles designate hydrographic stations; diamonds signify STD recordings. Figures 2-8 modified from charts in Univ. of Calif., SIO (1982, 1986) to include only those stations listed in Table 1 of this report.

Figure 3. Station pattern for CalCOFI Cruise 7801. Symbols as in Figure 2.

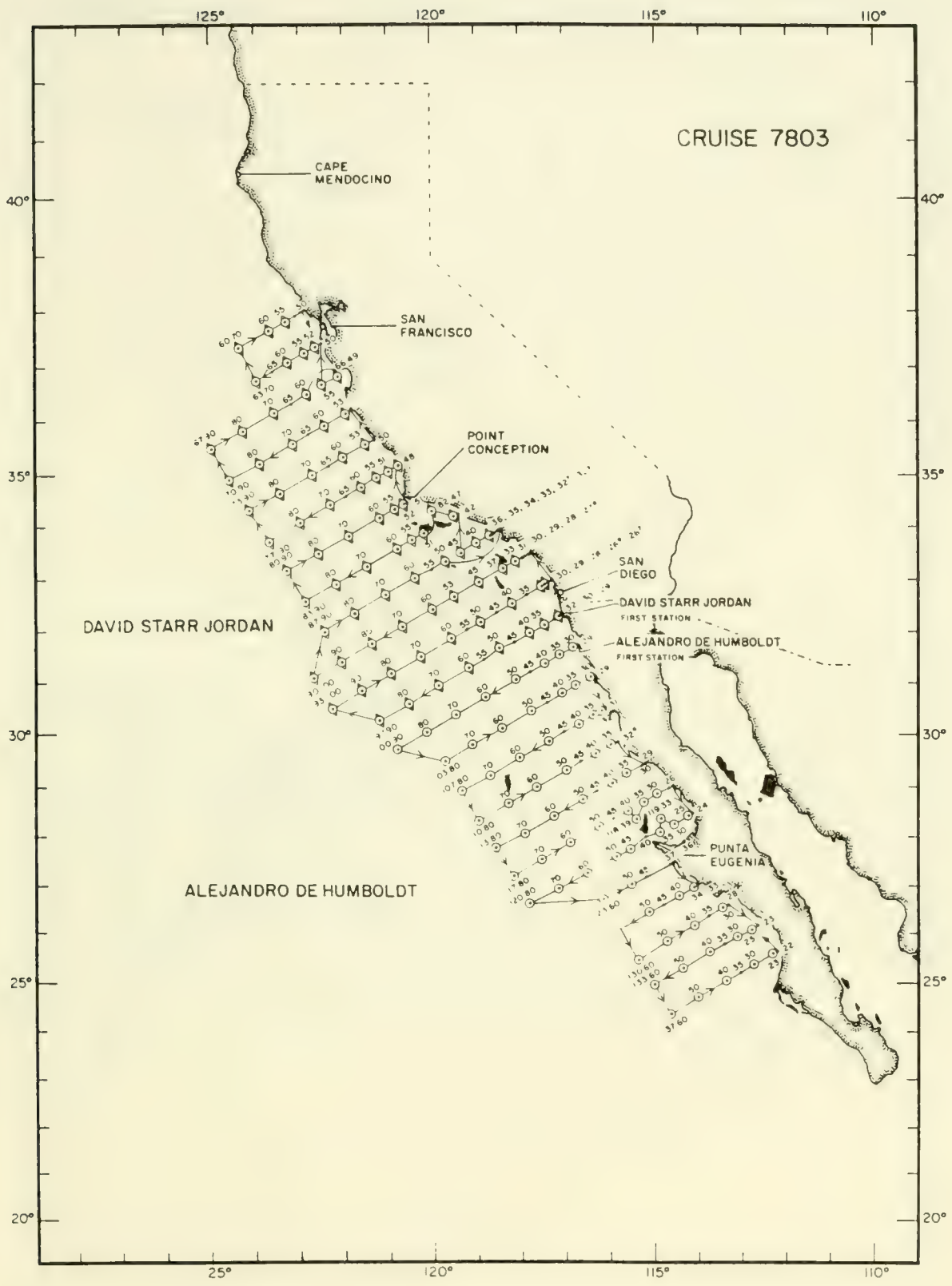

Figure 4. Station pattern for CalCOFI Cruise 7803. Symbols as in Figure 2.

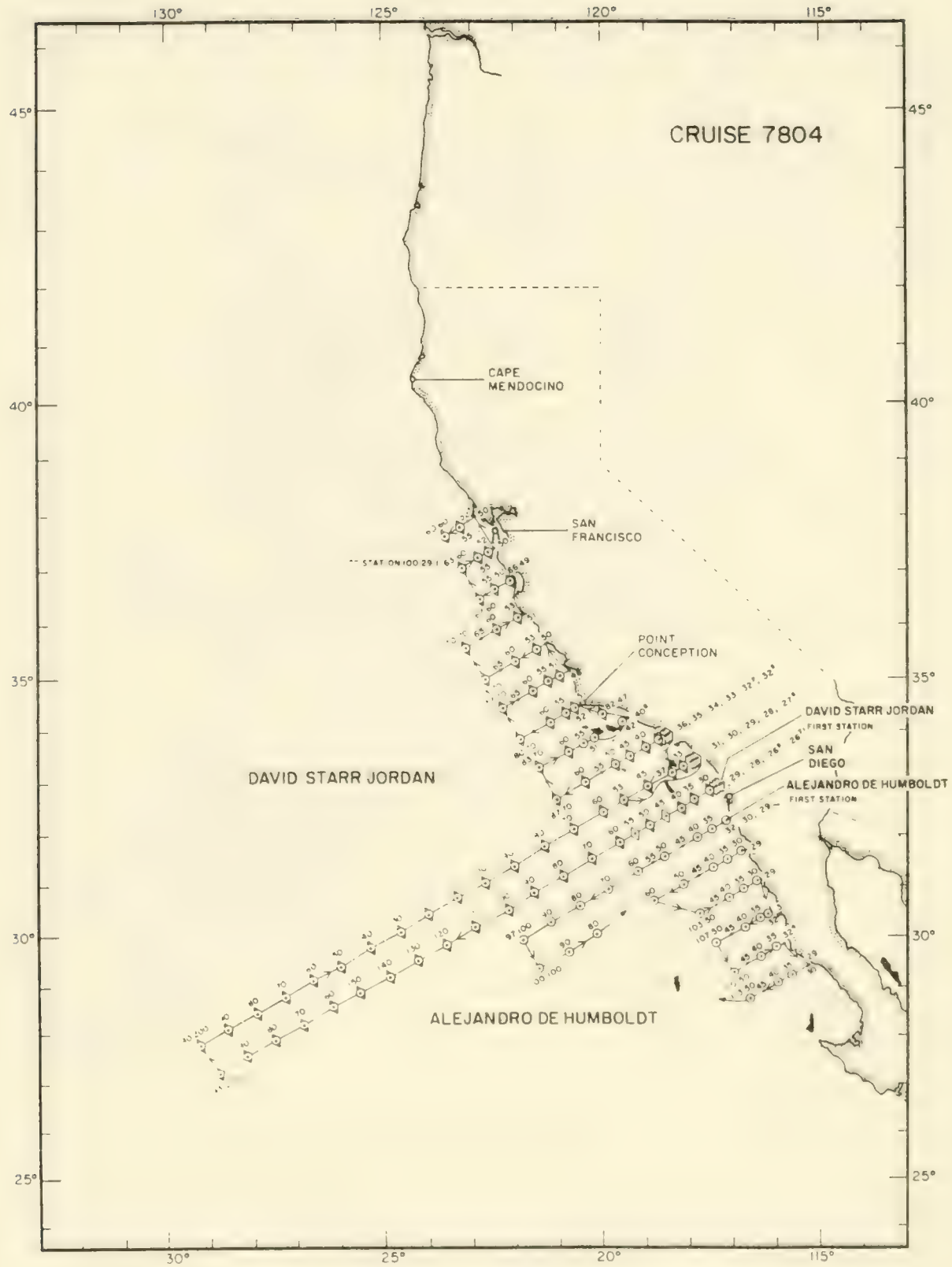

Figure 5. Station pattern for CalCOFI Cruise 7804. Symbols as in Figure 2.

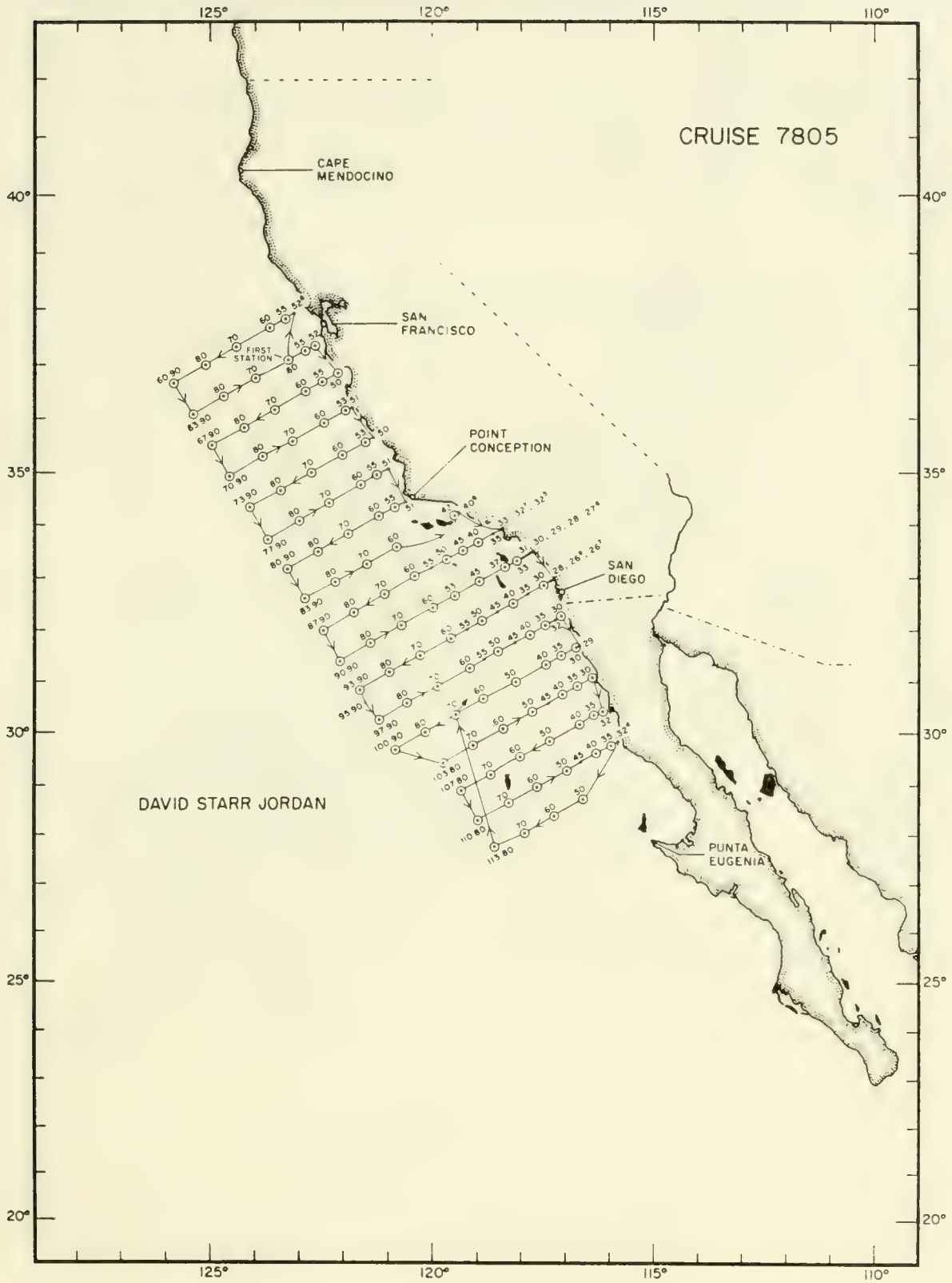

Figure 6. Station pattern for CalCOFI Cruise 7805. Symbols as in Figure 2.

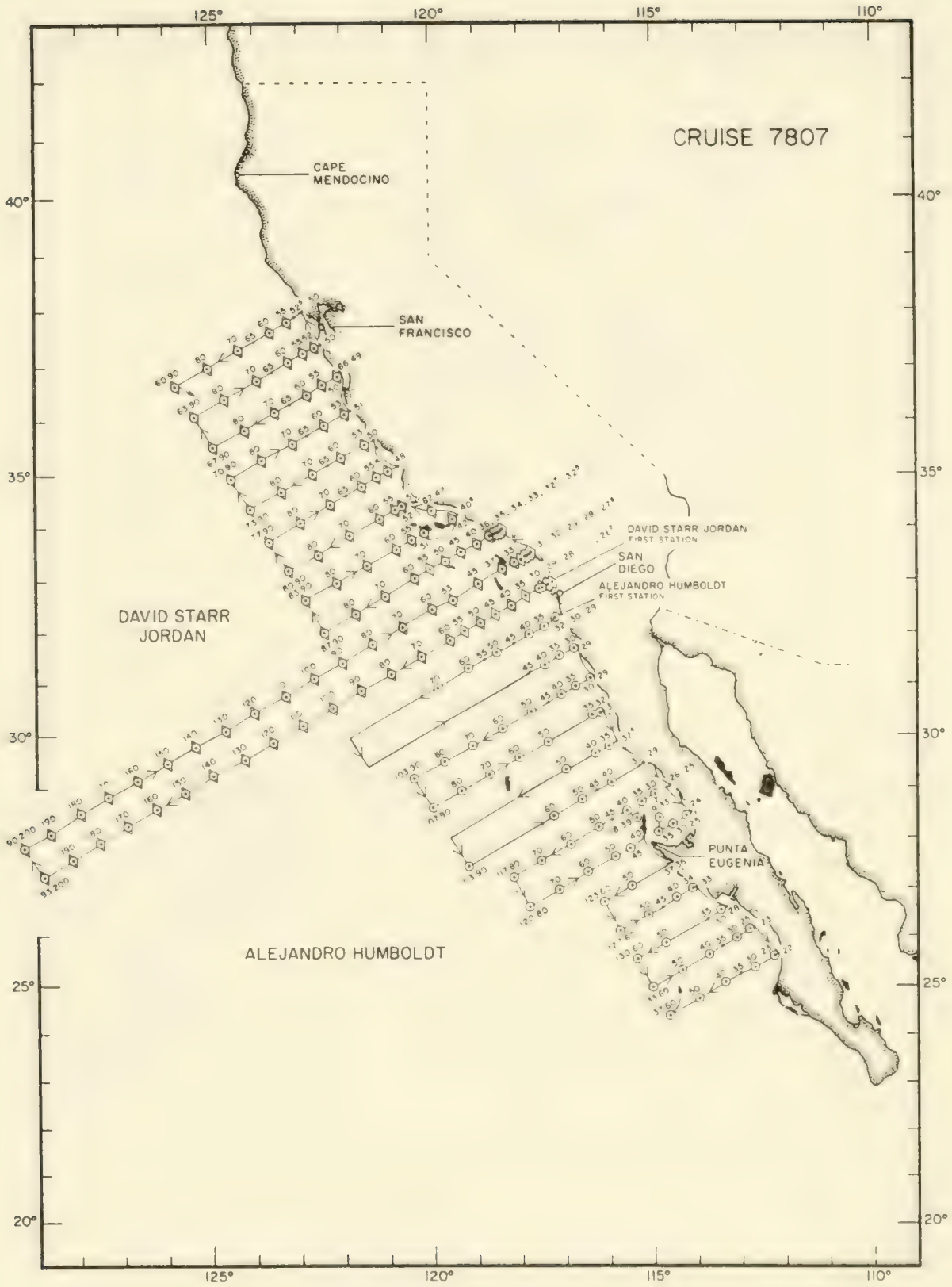

Figure 7. Station pattern for CalCOFI Cruise 7807. Symbols as in Figure 2.

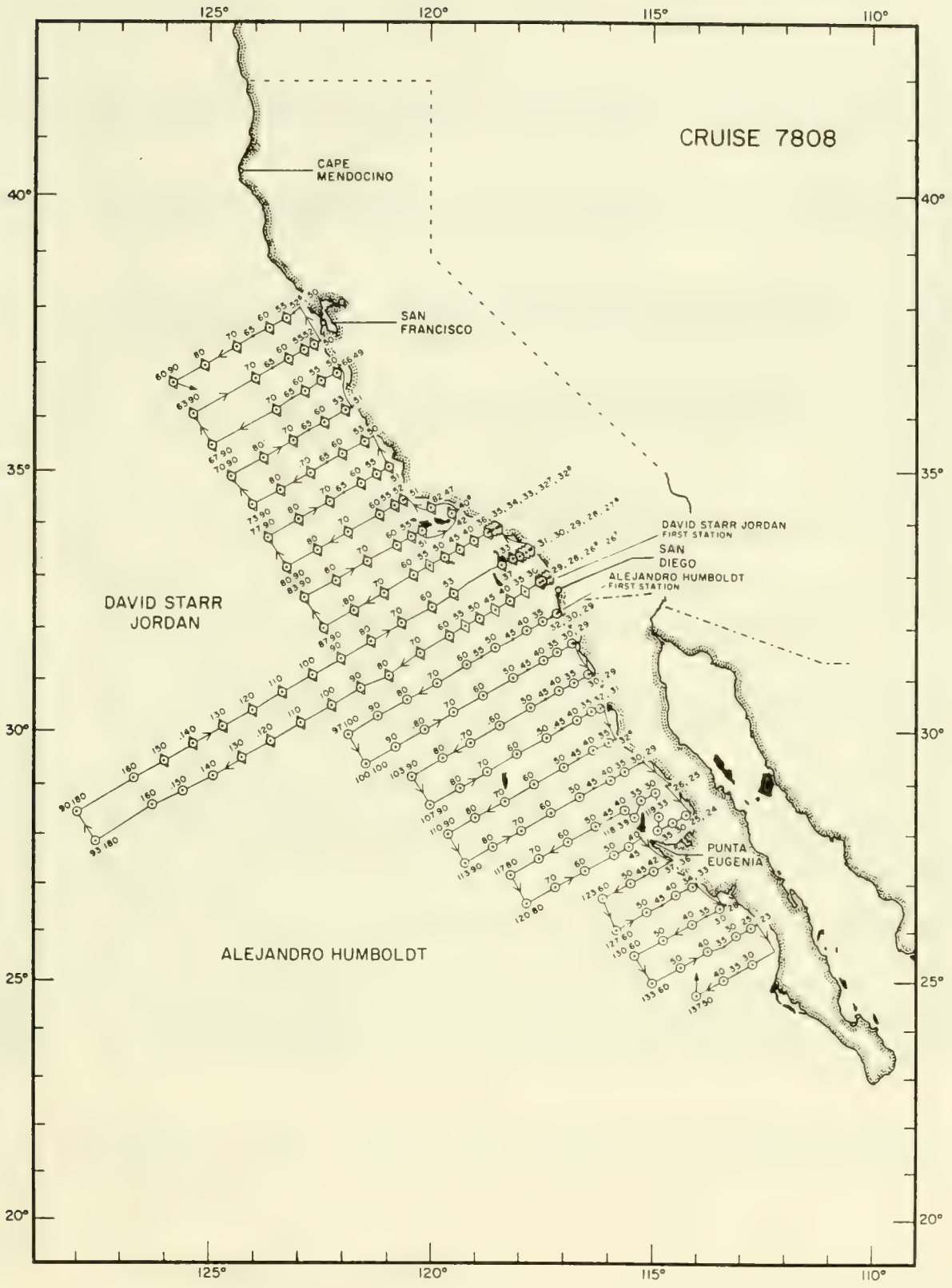

Figure 8. Station pattern for CalCOFI Cruise 7808. Symbols as in Figure 2.

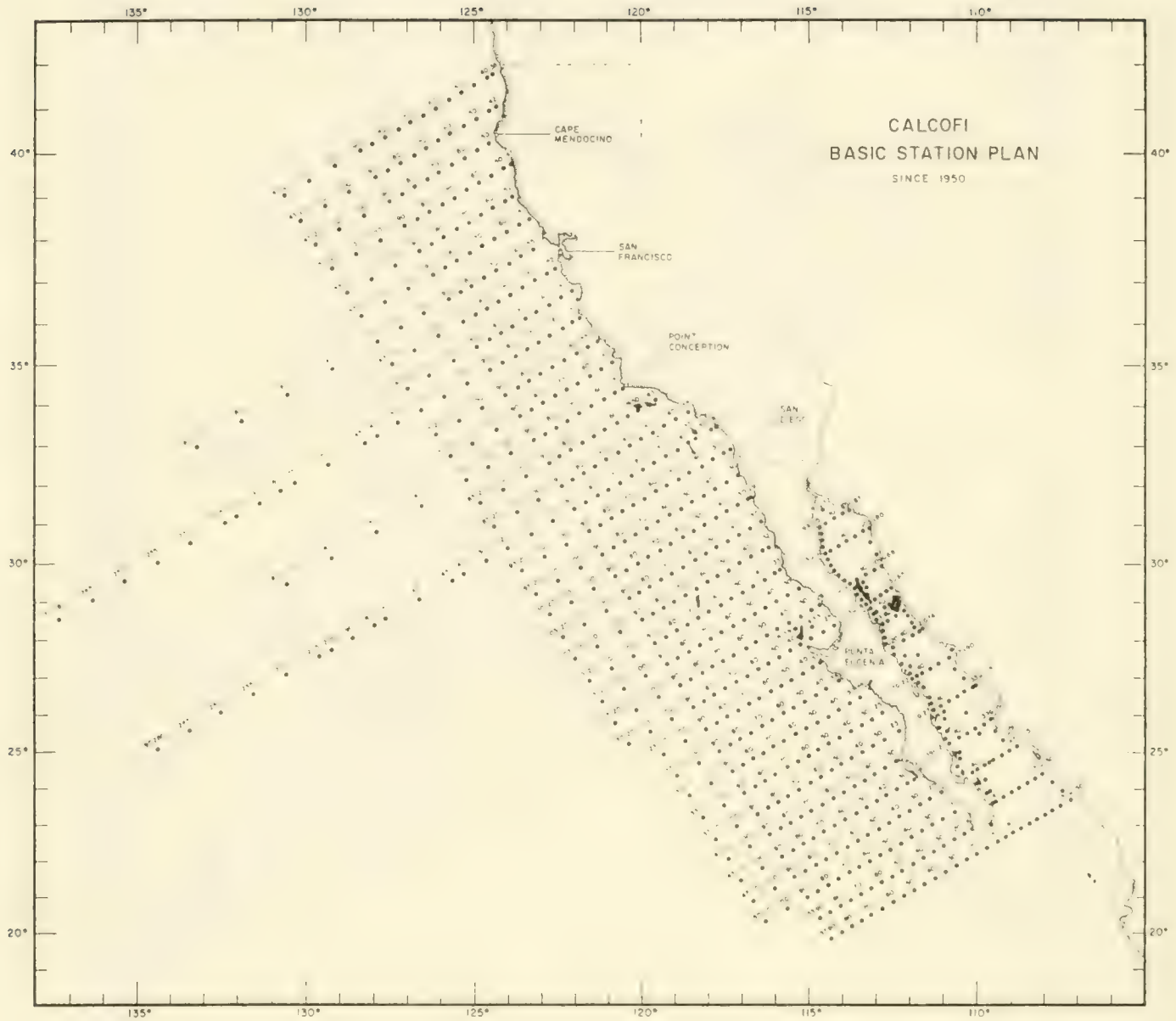

Figure 9. The basic station plan for CalCOFI cruises from 1950 to the present.

TABLE 1. Station and plankton tow data for CalCOFI cruises in 1978. Counts for fish eggs and larvae are not adjusted for standard haul factor or percent of sample sorted.

CalCOFI Cruise 7712

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
83.0	51.0	33 52.0	120 08.5	JD	77 12 19	1915	84	164	5.16	100.0	126	85
83.0	55.0	33 44.0	120 24.5	JD	77 12 19	1645	213	377	5.63	47.0	126	131
83.0	60.0	33 34.0	120 45.0	JD	77 12 19	1330	206	400	5.15	100.0	53	76
83.0	70.0	33 14.4	121 26.1	JD	77 12 19	0700	211	391	5.38	100.0	62	119
83.0	80.0	32 54.0	122 08.0	JD	77 12 19	0120	215	398	5.41	100.0	7	19
87.0	32.5	33 53.5	118 26.4	JD	77 12 17	0710	13	38	3.32	100.0	134	557
87.0	32.7	33 54.5	118 28.0	JD	77 12 17	0815	28	63	4.40	100.0	990	825
87.0	33.0	33 53.9	118 29.0	JD	77 12 17	0925	42	79	5.35	48.0	257	427
87.0	34.0	33 51.6	118 33.6	JD	77 12 17	1025	62	130	4.79	100.0	106	177
87.0	35.0	33 50.0	118 37.5	JD	77 12 17	1140	214	375	5.71	52.0	86	69
87.0	36.0	33 48.9	118 40.0	JD	77 12 17	1450	214	393	5.46	100.0	64	202
87.0	40.0	33 40.0	118 58.0	JD	77 12 17	1905	211	374	5.64	100.0	57	265
87.0	45.0	33 29.8	119 19.0	JD	77 12 17	2255	214	381	5.62	50.0	238	224
87.0	50.0	33 20.0	119 39.5	JD	77 12 18	0210	63	128	4.92	100.0	540	101
87.0	55.0	33 10.0	120 00.0	JD	77 12 18	0450	215	398	5.41	55.0	92	205
87.0	60.0	33 00.1	120 21.5	JD	77 12 18	0935	215	387	5.56	44.0	5	17
87.0	70.0	32 39.5	121 02.1	JD	77 12 18	1505	214	358	5.97	100.0	8	29
87.0	80.0	32 19.5	121 43.0	JD	77 12 18	2010	209	401	5.20	100.0	5	5
90.0	27.6	33 29.0	117 45.5	JD	77 12 17	0205	41	89	4.60	100.0	202	669
90.0	28.0	33 28.5	117 46.7	JD	77 12 17	0030	212	385	5.51	48.0	171	146
90.0	29.0	33 27.0	117 49.5	JD	77 12 16	2250	211	404	5.22	51.0	44	58
90.0	30.0	33 25.0	117 53.5	JD	77 12 16	2105	213	394	5.41	43.0	42	84
90.0	31.0	33 23.0	117 57.7	JD	77 12 16	1845	210	399	5.26	54.0	35	88
90.0	33.0	33 18.5	118 07.0	JD	77 12 16	1630	211	397	5.31	50.0	31	254
90.0	37.0	33 11.0	118 22.4	JD	77 12 16	1245	213	407	5.24	53.0	20	230
90.0	45.0	32 54.5	118 55.5	JD	77 12 16	0735	212	431	4.92	44.0	379	155
90.0	53.0	32 39.0	119 28.5	JD	77 12 16	0210	207	435	4.75	52.0	29	242
90.0	60.0	32 25.0	119 57.6	JD	77 12 15	2135	212	419	5.06	100.0	3	31
90.0	70.0	32 04.5	120 38.5	JD	77 12 15	1525	215	394	5.45	100.0	6	5
90.0	80.0	31 44.5	121 19.5	JD	77 12 15	0945	211	412	5.13	100.0	11	36
93.0	26.7	32 57.2	117 17.4	JD	77 12 13	1315	29	59	4.81	100.0	38	14
93.0	26.9	32 57.0	117 18.3	JD	77 12 13	1340	143	268	5.33	100.0	135	13
93.0	28.0	32 54.8	117 21.9	JD	77 12 13	1600	214	397	5.39	54.0	14	19
93.0	29.0	32 52.8	117 26.3	JD	77 12 13	1825	215	383	5.61	100.0	26	65
93.0	30.0	32 50.5	117 31.0	JD	77 12 13	2050	212	394	5.38	53.0	26	28
93.0	35.0	32 41.0	117 52.4	JD	77 12 14	0010	215	396	5.43	50.0	45	100
93.0	40.0	32 29.9	118 11.5	JD	77 12 14	0410	216	403	5.37	41.0	40	107
93.0	45.0	32 20.2	118 31.6	JD	77 12 14	0655	215	405	5.32	48.0	13	18
93.0	50.0	32 11.0	118 53.0	JD	77 12 14	1035	219	432	5.07	50.0	4	20
93.0	55.0	32 00.0	119 13.6	JD	77 12 14	1315	215	413	5.22	100.0	6	17
93.0	60.0	31 50.1	119 34.0	JD	77 12 14	1730	216	412	5.25	100.0	9	6
93.0	70.0	31 30.2	120 14.0	JD	77 12 14	2315	215	397	5.42	100.0	12	19
93.0	80.0	31 10.0	120 54.4	JD	77 12 15	0415	216	401	5.38	100.0	29	36
97.0	29.0	32 17.5	117 04.7	JD	77 12 12	1835	36	65	5.48	100.0	7	106

TABLE 1. (cont.)

CalCOFI Cruise 7712

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
97.0	30.0	32	16.1	117	07.1	JD	77	12	12	1745	36	60	6.00	100.0	12	33
97.0	32.0	32	11.9	117	15.4	JD	77	12	12	1505	208	403	5.17	100.0	13	32
97.0	35.0	32	05.5	117	27.4	JD	77	12	12	1310	216	403	5.37	100.0	11	32
97.0	40.0	31	56.0	117	48.0	JD	77	12	12	1000	212	389	5.45	100.0	5	5
97.0	45.0	31	46.0	118	08.5	JD	77	12	12	0650	214	407	5.25	53.0	6	16
97.0	50.0	31	36.0	118	30.6	JD	77	12	12	0320	214	396	5.41	44.0	25	0
97.0	55.0	31	25.5	118	49.6	JD	77	12	12	0010	213	410	5.18	54.0	6	7
97.0	60.0	31	15.7	119	10.0	JD	77	12	11	2120	209	399	5.23	55.0	7	4
100.0	29.0	31	42.1	116	43.9	VA	77	11	29	0225	148	274	5.42	48.0	18	21
100.0	30.0	31	40.6	116	46.3	VA	77	11	29	0541	213	405	5.25	49.0	11	2
100.0	30.0	31	40.6	116	46.3	VA	77	11	29	0630	210	654	3.22	28.1	3	1
100.0	35.0	31	30.5	117	07.0	VA	77	11	29	1025	220	381	5.76	100.0	15	17
100.0	40.0	31	21.1	117	26.9	VA	77	11	29	1430	212	383	5.54	54.0	9	1
100.0	45.0	31	10.7	117	46.7	VA	77	11	29	1725	212	422	5.04	50.0	9	1
100.0	50.0	31	00.4	118	07.0	VA	77	11	29	2225	213	420	5.07	100.0	9	5
100.0	60.0	30	40.5	118	47.5	VA	77	11	30	0524	214	402	5.32	47.0	11	11
100.0	60.0	30	40.5	118	47.5	VA	77	11	30	0330	213	769	2.76	21.9	2	11
100.0	70.0	30	20.4	119	27.5	VA	77	11	30	1137	214	422	5.07	100.0	27	23
100.0	80.0	30	01.1	120	07.W	VA	77	11	30	1935	212	726	2.91	100.0	60	60
100.0	90.0	29	39.0	120	47.0	VA	77	12	01	0705	211	810	2.60	100.0	110	30
103.0	29.0	31	07.0	116	21.0	VA	77	12	02	2305	15	87	1.71	26.0	138	722
103.0	30.0	31	06.0	116	24.5	VA	77	12	02	2215	49	213	2.30	26.5	91	16
103.0	35.0	30	56.0	116	45.0	VA	77	12	02	1900	215	663	3.24	100.0	8	7
103.0	40.0	30	46.0	117	04.5	VA	77	12	02	1540	217	662	3.27	17.1	5	2
103.0	45.0	30	36.0	117	24.0	VA	77	12	02	1230	212	737	2.88	23.1	9	5
103.0	50.0	30	26.0	117	44.3	VA	77	12	02	0935	213	717	2.97	23.1	11	1
103.0	60.0	30	06.0	118	25.0	VA	77	12	02	0352	216	704	3.08	26.3	4	6
103.0	70.0	29	46.0	119	04.7	VA	77	12	01	2145	214	723	2.95	100.0	56	20
103.0	80.0	29	26.0	119	43.0	VA	77	12	01	1540	214	765	2.80	100.0	59	53
107.0	31.0	30	27.9	116	07.2	JD	77	12	10	1320	28	63	4.48	100.0	32	30
107.0	32.0	30	25.7	116	11.0	JD	77	12	10	1510	214	384	5.58	100.0	30	10
107.0	35.0	30	21.5	116	22.4	JD	77	12	10	1745	215	400	5.37	100.0	10	23
107.0	40.0	30	11.8	116	41.0	JD	77	12	10	2050	212	396	5.36	100.0	10	10
107.0	45.0	30	01.6	117	02.9	JD	77	12	10	2310	213	408	5.21	100.0	38	14
107.0	50.0	29	50.3	117	22.2	JD	77	12	11	0225	213	411	5.18	45.0	49	3
107.0	60.0	29	32.0	118	02.0	JD	77	12	11	0820	215	389	5.53	100.0	16	31
110.0	32.4	29	51.2	115	49.7	JD	77	12	10	0910	43	97	4.42	100.0	53	0
110.0	35.0	29	46.0	116	00.0	JD	77	12	10	0710	211	400	5.27	100.0	9	5
110.0	40.0	29	36.5	116	19.6	JD	77	12	10	0350	212	428	4.94	100.0	45	7
110.0	45.0	29	26.5	116	39.5	JD	77	12	10	0000	213	406	5.25	100.0	20	8
110.0	50.0	29	16.0	116	58.0	JD	77	12	09	2115	215	397	5.41	100.0	19	4
110.0	60.0	28	56.4	117	39.0	JD	77	12	09	1620	215	405	5.31	100.0	20	101
113.0	29.0	29	24.5	115	13.5	JD	77	12	08	1330	21	49	4.31	100.0	87	141
113.0	30.0	29	22.0	115	18.0	JD	77	12	08	1430	51	110	4.65	100.0	26	6
113.0	35.0	29	11.7	115	37.9	JD	77	12	08	1815	214	417	5.14	100.0	27	6

TABLE 1. (cont.)

CalCOFI Cruise 7712

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
113.0	40.0	29 02.0	115 57.0	JD	77 12 08	2205	214	426	5.03	100.0	43	4
113.0	45.0	28 52.0	116 18.1	JD	77 12 09	0050	213	403	5.29	100.0	9	3
113.0	50.0	28 41.5	116 36.6	JD	77 12 09	0435	213	419	5.08	55.0	20	0
113.0	60.0	28 22.0	117 16.0	JD	77 12 09	0930	213	403	5.29	100.0	18	5

TABLE 1. (cont.)

CalCOFI Cruise 7801

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	50.0	37 57.5	122 53.1	JD	78 01 31	1645	36	76	4.69	100.0	6	227
60.0	52.0	37 52.5	123 03.5	JD	78 01 31	1520	76	154	4.96	100.0	17	31
60.0	55.0	37 47.0	123 15.0	JD	78 01 31	1355	111	220	5.04	48.0	197	0
60.0	60.0	37 37.0	123 37.0	JD	78 01 31	1055	210	363	5.78	54.0	22	19
60.0	65.0	37 28.0	123 59.0	JD	78 01 31	0710	211	376	5.61	56.0	248	77
60.0	70.0	37 17.0	124 21.0	JD	78 01 31	0435	216	355	6.08	100.0	48	21
60.0	80.0	36 57.0	125 02.0	JD	78 01 30	2305	210	365	5.73	100.0	48	80
63.0	50.0	37 23.3	122 27.8	JD	78 01 29	2215	14	34	4.12	100.0	50	167
63.0	52.0	37 19.0	122 36.5	JD	78 01 29	2340	76	145	5.26	100.0	218	2792
63.0	55.0	37 13.0	122 50.0	JD	78 01 30	0200	216	349	6.20	56.0	349	34
63.0	60.0	37 03.0	123 12.0	JD	78 01 30	0610	211	376	5.61	54.0	35	34
63.0	65.0	36 53.0	123 33.0	JD	78 01 30	0840	211	380	5.55	52.0	40	27
63.0	70.0	36 42.5	123 55.0	JD	78 01 30	1215	218	358	6.10	50.0	25	38
63.0	80.0	36 23.0	124 38.5	JD	78 01 30	1745	211	383	5.51	55.0	7	6
66.0	49.0	36 53.0	122 01.7	JD	78 01 29	1755	42	89	4.71	100.0	23	2248
67.0	50.0	36 48.0	122 05.0	JD	78 01 29	1650	104	219	4.77	100.0	63	44
67.0	55.0	36 39.0	122 25.5	JD	78 01 29	1345	209	385	5.44	55.0	64	30
67.0	60.0	36 29.0	122 47.0	JD	78 01 29	0925	205	387	5.29	50.0	19	40
67.0	65.0	36 18.0	123 09.5	JD	78 01 29	0455	208	386	5.40	48.0	19	16
67.0	70.0	36 08.0	123 29.5	JD	78 01 29	0215	212	375	5.64	45.0	34	10
67.0	80.0	35 48.0	124 12.0	JD	78 01 28	2050	207	386	5.35	50.0	0	2
67.0	90.0	35 28.5	124 54.5	JD	78 01 28	1515	212	380	5.56	100.0	12	24
70.0	51.0	36 11.3	121 44.0	JD	78 01 27	0820	62	131	4.71	100.0	60	17
70.0	53.0	36 06.5	121 54.5	JD	78 01 27	1050	201	390	5.16	51.0	26	69
70.0	60.0	35 53.0	122 22.5	JD	78 01 27	1540	213	386	5.52	53.0	14	13
70.0	65.0	35 43.0	122 45.0	JD	78 01 27	1815	210	376	5.58	48.0	20	10
70.0	70.0	35 33.5	123 05.5	JD	78 01 27	2140	210	360	5.83	49.0	45	31
70.0	80.0	35 13.5	123 47.5	JD	78 01 28	0310	209	390	5.36	44.0	16	23
70.0	90.0	34 53.5	124 30.5	JD	78 01 28	0920	208	400	5.20	100.0	10	13
73.0	50.0	35 37.0	121 17.0	JD	78 01 27	0355	87	168	5.15	49.0	33	3
73.0	53.0	35 31.5	121 28.5	JD	78 01 27	0200	219	381	5.74	57.0	660	54
73.0	60.0	35 17.5	121 58.0	JD	78 01 26	2125	213	381	5.59	52.0	165	23
73.0	65.0	35 08.0	122 19.0	JD	78 01 26	1725	214	389	5.51	100.0	15	6
73.0	70.0	34 58.0	122 40.0	JD	78 01 26	1445	199	438	4.54	53.0	24	29
73.0	80.0	34 38.0	123 22.0	JD	78 01 26	0830	215	377	5.71	47.0	5	1
73.0	90.0	34 19.0	124 02.0	JD	78 01 26	0330	216	378	5.71	100.0	14	5
77.0	48.0	35 08.3	120 43.7	JD	78 01 24	1945	14	38	3.73	100.0	3	21
77.0	51.0	35 02.0	120 56.5	JD	78 01 24	2225	211	377	5.58	54.0	50	4
77.0	55.0	34 54.5	121 13.0	JD	78 01 25	0130	217	354	6.14	47.0	104	46
77.0	60.0	34 43.6	121 33.5	JD	78 01 25	0540	212	380	5.58	50.0	80	22
77.0	65.0	34 34.5	121 54.0	JD	78 01 25	0820	204	388	5.27	52.0	9	7
77.0	70.0	34 24.0	122 16.0	JD	78 01 25	1205	215	367	5.86	48.0	14	6
77.0	80.0	34 04.0	122 57.0	JD	78 01 25	1705	214	390	5.49	100.0	4	19
77.0	90.0	33 35.0	123 38.5	JD	78 01 25	2210	205	378	5.42	100.0	8	64

TABLE 1. (cont.)

CalCOFI Cruise 7801

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	51.0	34	26.0	120	32.5	JD	78	01	24	1453	123	214	5.75	100.0	35	39
80.0	52.0	34	24.8	120	35.9	JD	78	01	24	1345	217	352	6.16	100.0	268	146
80.0	55.0	34	19.0	120	48.0	JD	78	01	24	1115	209	374	5.58	52.0	16	25
80.0	60.0	34	08.9	121	08.8	JD	78	01	24	0730	207	390	5.30	55.0	1	8
80.0	70.0	33	48.0	121	51.0	JD	78	01	24	0040	213	386	5.52	47.0	0	8
80.0	80.0	33	28.2	122	33.0	JD	78	01	23	1820	214	395	5.41	48.0	9	10
80.0	90.0	33	09.0	123	13.0	JD	78	01	23	1230	213	389	5.49	100.0	5	22
82.0	47.0	34	16.5	119	59.0	JD	78	01	22	0125	210	364	5.78	54.0	169	502
83.0	40.6	34	12.5	119	24.2	JD	78	01	21	2005	28	55	5.08	100.0	358	1469
83.0	42.0	34	10.0	119	29.5	JD	78	01	21	2120	176	324	5.44	100.0	514	683
83.0	51.0	33	52.0	120	08.5	JD	78	01	22	0540	151	264	5.72	50.0	232	70
83.0	55.0	33	44.0	120	24.5	JD	78	01	22	0840	212	382	5.54	54.0	94	42
83.0	60.0	33	34.0	120	45.0	JD	78	01	22	1310	210	404	5.20	50.0	5	7
83.0	70.0	33	14.5	121	26.0	JD	78	01	22	1840	209	404	5.18	49.0	19	24
83.0	80.0	32	55.5	122	07.0	JD	78	01	23	0015	208	408	5.10	100.0	9	9
83.0	90.0	32	34.5	122	50.0	JD	78	01	23	0600	214	407	5.25	100.0	6	14
87.0	32.5	33	53.5	118	26.7	JD	78	01	21	0145	19	51	3.77	100.0	308	522
87.0	32.7	33	54.5	118	27.5	JD	78	01	21	0055	35	68	5.10	100.0	419	202
87.0	33.0	33	53.9	118	29.0	JD	78	01	21	0000	41	94	4.36	100.0	261	81
87.0	34.0	33	52.0	118	33.2	JD	78	01	20	2250	63	126	4.98	100.0	364	120
87.0	35.0	33	50.0	118	37.5	JD	78	01	20	2125	205	379	5.40	100.0	252	195
87.0	36.0	33	49.0	118	40.0	JD	78	01	20	1955	210	373	5.63	100.0	123	58
87.0	40.0	33	40.0	118	58.0	JD	78	01	20	1555	218	378	5.77	100.0	254	241
87.0	45.0	33	30.0	119	19.0	JD	78	01	20	1125	210	385	5.45	100.0	142	218
87.0	50.0	33	20.0	119	39.5	JD	78	01	20	0730	69	173	3.99	100.0	182	38
87.0	55.0	33	10.0	120	00.0	JD	78	01	20	0405	212	421	5.02	49.0	19	51
87.0	60.0	33	00.0	120	21.5	JD	78	01	20	0120	217	406	5.34	63.0	3	6
87.0	70.0	32	39.5	121	02.0	JD	78	01	19	1830	210	400	5.24	100.0	55	10
87.0	80.0	32	19.5	121	43.0	JD	78	01	19	1230	215	407	5.28	100.0	7	18
87.0	90.0	31	59.0	122	24.0	JD	78	01	19	0630	206	402	5.13	100.0	29	24
90.0	27.6	33	29.3	117	45.5	JD	78	01	16	1650	29	63	4.54	100.0	178	247
90.0	28.0	33	28.5	117	46.7	JD	78	01	16	1805	219	382	5.72	100.0	34	92
90.0	29.0	33	27.0	117	49.5	JD	78	01	16	2010	213	386	5.51	100.0	111	175
90.0	30.0	33	25.0	117	53.5	JD	78	01	16	2215	213	406	5.24	50.0	70	171
90.0	31.0	33	23.0	117	57.7	JD	78	01	16	2345	216	372	5.80	100.0	135	747
90.0	33.0	33	18.5	118	07.0	JD	78	01	17	0310	216	359	6.02	100.0	516	522
90.0	37.0	33	11.0	118	22.5	JD	78	01	17	0720	207	395	5.23	100.0	159	521
90.0	45.0	32	54.5	118	55.0	JD	78	01	17	1245	210	416	5.05	100.0	290	325
90.0	53.0	32	39.0	119	28.5	JD	78	01	17	1800	209	417	5.01	100.0	45	79
90.0	60.0	32	26.5	119	57.5	JD	78	01	17	2305	214	422	5.07	46.0	3	18
90.0	70.0	32	04.5	120	38.5	JD	78	01	18	0450	214	403	5.31	100.0	27	13
90.0	80.0	31	45.0	121	19.0	JD	78	01	18	1035	206	404	5.11	100.0	12	12
90.0	90.0	31	24.0	122	01.0	JD	78	01	18	1720	218	391	5.56	100.0	7	15
90.0	100.0	31	08.5	122	37.0	JD	78	01	18	2255	206	378	5.47	100.0	13	13
93.0	26.7	32	57.2	117	17.4	JD	78	01	15	2030	28	64	4.38	100.0	145	26

TABLE 1. (cont.)

CalCOFI Cruise 7801

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	26.9	32	56.8	117	18.3	JD	78	01	15	1940	62	126	4.94	100.0	270	33
93.0	28.0	32	54.7	117	21.8	JD	78	01	15	1810	203	405	5.02	41.0	117	27
93.0	29.0	32	52.7	117	26.6	JD	78	01	15	1637	214	395	5.43	100.0	77	8
93.0	30.0	32	50.5	117	31.0	JD	78	01	15	1350	221	373	5.92	100.0	94	27
93.0	35.0	32	40.5	117	51.5	JD	78	01	15	0940	210	401	5.23	100.0	299	412
93.0	40.0	32	30.0	118	11.5	JD	78	01	15	0630	211	398	5.31	100.0	205	266
93.0	45.0	32	20.0	118	32.0	JD	78	01	15	0230	217	435	4.98	45.0	15	77
93.0	50.0	32	10.0	118	52.5	JD	78	01	14	2320	205	416	4.92	100.0	23	7
93.0	55.0	32	00.5	119	13.5	JD	78	01	14	1925	210	401	5.25	100.0	10	16
93.0	60.0	31	50.0	119	34.0	JD	78	01	14	1635	221	377	5.86	56.0	2	3
93.0	70.0	31	30.0	120	14.0	JD	78	01	14	0930	185	469	3.93	100.0	9	8
93.0	80.0	31	10.0	120	54.5	JD	78	01	14	0410	208	454	4.59	100.0	23	16
93.0	90.0	30	50.0	121	34.5	JD	78	01	13	2235	212	400	5.29	100.0	10	23
93.0	100.0	30	30.0	122	14.0	JD	78	01	13	1640	218	388	5.61	100.0	7	41
97.0	29.0	32	17.5	117	04.7	JD	78	01	05	1355	35	76	4.67	100.0	94	17
97.0	30.0	32	16.0	117	07.0	JD	78	01	06	1855	51	110	4.64	100.0	205	84
97.0	32.0	32	12.0	117	15.0	JD	78	01	06	2110	208	382	5.45	58.0	8	212
97.0	35.0	32	06.0	117	27.5	JD	78	01	11	1500	208	421	4.94	100.0	147	142
97.0	40.0	31	56.0	117	48.0	JD	78	01	11	2130	210	383	5.49	100.0	323	81
97.0	45.0	31	46.0	118	08.5	JD	78	01	12	0010	212	385	5.50	53.0	49	38
97.0	50.0	31	36.0	118	30.5	JD	78	01	12	0535	214	392	5.45	53.0	21	14
97.0	55.0	31	25.5	118	49.5	JD	78	01	12	0810	201	418	4.81	100.0	19	38
97.0	60.0	31	15.5	119	10.0	JD	78	01	12	1400	214	378	5.65	100.0	15	39
97.0	70.0	30	55.0	119	51.0	JD	78	01	12	2005	207	414	5.00	100.0	37	45
97.0	80.0	30	35.0	120	31.0	JD	78	01	13	0155	209	414	5.06	100.0	12	17
97.0	90.0	30	16.5	121	09.0	JD	78	01	13	0840	206	424	4.86	100.0	16	30
100.0	29.0	31	42.2	116	43.4	VA	78	01	07	0430	213	408	5.23	100.0	236	24
100.0	30.0	31	40.5	116	46.5	VA	78	01	07	1900	210	434	4.83	100.0	113	15
100.0	35.0	31	30.5	117	07.0	VA	78	01	07	2325	212	398	5.32	100.0	18	10
100.0	40.0	31	21.0	117	26.9	VA	78	01	08	0355	211	438	4.81	100.0	20	54
100.0	45.0	31	10.0	117	46.0	VA	78	01	08	0740	209	417	5.02	100.0	19	4
100.0	50.0	31	00.5	118	07.0	VA	78	01	08	1135	213	392	5.45	100.0	25	22
100.0	60.0	30	40.4	118	47.5	VA	78	01	08	1845	211	415	5.08	48.0	18	22
100.0	70.0	30	20.5	119	27.5	VA	78	01	09	0020	207	454	4.57	100.0	70	27
100.0	80.0	30	01.0	120	07.0	VA	78	01	09	0620	211	457	4.63	100.0	72	52
100.0	90.0	29	40.5	120	47.0	VA	78	01	09	1325	206	455	4.53	100.0	42	22
103.0	29.0	31	07.0	116	21.0	VA	78	01	11	0815	22	53	4.11	100.0	69	540
103.0	30.0	31	06.0	116	24.5	VA	78	01	11	0715	47	144	3.29	100.0	176	238
103.0	50.0	30	26.0	117	44.5	VA	78	01	10	1645	186	491	3.80	100.0	22	39
103.0	60.0	30	05.9	118	24.9	VA	78	01	10	1100	210	452	4.65	100.0	26	40
103.0	70.0	29	46.2	119	04.8	VA	78	01	10	0345	207	480	4.30	100.0	39	37
103.0	80.0	29	26.5	119	42.9	VA	78	01	09	2150	209	441	4.74	100.0	108	25
107.0	31.0	30	27.8	116	07.0	VA	78	01	11	1320	42	115	3.62	100.0	33	49
107.0	32.0	30	25.7	116	11.0	VA	78	01	11	1600	199	474	4.19	100.0	17	25
107.0	35.0	30	21.5	116	22.5	VA	78	01	11	1855	211	428	4.92	53.0	20	25

TABLE 1. (cont.)

CalCOFI Cruise 7801

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
107.0	40.0	30	11.0	116	42.0	VA	78	01	11	2230	215	404	5.33	100.0	10	4
107.0	45.0	30	01.5	117	02.0	VA	78	01	12	0225	210	441	4.76	100.0	44	8
107.0	50.0	29	50.4	117	22.0	VA	78	01	12	0620	210	448	4.67	100.0	29	61
107.0	60.0	29	32.0	118	01.5	VA	78	01	12	1345	213	409	5.21	100.0	34	11
107.0	70.0	29	11.0	118	41.0	VA	78	01	12	1955	214	348	6.15	100.0	67	20
107.0	80.0	28	51.5	119	20.0	VA	78	01	13	0035	213	399	5.35	100.0	50	18
110.0	32.4	29	51.2	115	49.6	VA	78	01	14	1410	21	50	4.25	100.0	72	162
110.0	35.0	29	46.0	116	00.0	VA	78	01	14	1200	214	372	5.75	100.0	26	22
110.0	40.0	29	36.5	116	19.4	VA	78	01	14	0855	211	371	5.69	100.0	23	17
110.0	45.0	29	26.5	116	39.5	VA	78	01	14	0435	209	447	4.67	52.0	13	10
110.0	50.0	29	16.4	116	59.1	VA	78	01	14	0135	211	413	5.11	46.0	14	4
110.0	60.0	28	56.4	117	38.9	VA	78	01	13	2010	211	370	5.70	100.0	110	34
110.0	70.0	28	36.5	118	18.0	VA	78	01	13	1420	211	401	5.26	100.0	102	16
110.0	80.0	28	16.5	118	57.5	VA	78	01	13	0740	203	405	5.00	100.0	44	21
113.0	29.0	29	24.5	115	13.5	VA	78	01	18	0620	20	63	3.25	100.0	156	249
113.0	30.0	29	22.0	115	18.0	VA	78	01	18	0720	55	143	3.87	100.0	110	10
113.0	35.0	29	11.5	115	38.5	VA	78	01	18	1210	210	494	4.25	100.0	27	20
113.0	40.0	29	02.0	115	57.0	VA	78	01	18	1530	212	449	4.73	100.0	43	3
113.0	45.0	28	52.0	116	18.0	VA	78	01	18	1810	207	489	4.23	100.0	28	0
113.0	50.0	28	41.5	116	36.5	VA	78	01	18	2220	214	400	5.35	100.0	31	6
113.0	60.0	28	22.0	117	16.0	VA	78	01	19	0445	211	479	4.41	100.0	76	160
113.0	70.0	28	02.0	117	55.0	VA	78	01	19	1025	213	445	4.78	100.0	11	24
113.0	80.0	27	42.0	118	33.5	VA	78	01	19	1650	201	513	3.92	100.0	39	59
117.0	25.0	28	58.0	114	35.0	VA	78	01	21	1250	28	67	4.21	100.0	176	613
117.0	26.0	28	56.0	114	41.5	VA	78	01	21	1155	63	146	4.30	100.0	310	9532
117.0	30.0	28	48.0	114	56.5	VA	78	01	21	0945	85	179	4.77	100.0	7	957
117.0	35.0	28	38.0	115	16.0	VA	78	01	21	0645	171	360	4.73	100.0	45	36
117.0	40.0	28	28.0	115	35.5	VA	78	01	21	0040	209	487	4.29	100.0	10	2
117.0	45.0	28	18.0	115	56.0	VA	78	01	20	2020	211	451	4.67	100.0	5	13
117.0	50.0	28	08.0	116	15.0	VA	78	01	20	1725	204	509	4.01	100.0	33	0
117.0	60.0	27	48.0	116	53.0	VA	78	01	20	1200	214	472	4.54	100.0	19	17
117.0	70.0	27	27.5	117	32.5	VA	78	01	20	0445	197	504	3.90	100.0	82	24
117.0	80.0	27	08.0	118	10.0	VA	78	01	19	2215	211	481	4.40	100.0	70	61
118.0	39.0	28	18.5	115	23.7	VA	78	01	21	0320	204	416	4.89	100.0	10	42
119.0	33.0	28	19.0	114	53.0	VA	78	01	22	0020	90	207	4.36	100.0	123	2245
120.0	24.0	28	25.0	114	10.7	VA	78	01	21	1730	29	73	3.95	100.0	75	2361
120.0	25.0	28	22.5	114	15.0	VA	78	01	21	1845	50	130	3.89	100.0	107	145
120.0	30.0	28	13.0	114	34.0	VA	78	01	21	2150	78	191	4.09	100.0	152	44
120.0	35.0	28	03.0	114	54.0	VA	78	01	22	0351	77	174	4.44	100.0	20	8
120.0	40.0	27	56.5	115	14.0	VA	78	01	22	0615	43	117	3.69	100.0	132	64
120.0	45.0	27	43.0	115	33.0	VA	78	01	22	0925	214	402	5.31	100.0	49	7
120.0	50.0	27	33.0	115	52.5	VA	78	01	22	1310	210	404	5.20	100.0	41	8
120.0	60.0	27	13.0	116	30.5	VA	78	01	22	1850	209	401	5.21	100.0	24	4
120.0	70.0	26	53.0	117	10.0	VA	78	01	23	0005	208	419	4.96	100.0	22	8
120.0	80.0	26	32.4	117	49.0	VA	78	01	23	0600	210	404	5.19	100.0	41	4

TABLE 1. (cont.)

CalCOFI Cruise 7801

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
123.0	36.0	27	26.2	114	36.0	VA	78	01	24	1005	43	93	4.57	100.0	106	60
123.0	37.0	27	24.0	114	40.0	VA	78	01	24	0835	64	137	4.69	100.0	35	28
123.0	42.0	27	14.0	114	59.0	VA	78	01	24	0535	216	473	4.57	100.0	40	12
123.0	45.0	27	08.0	115	11.5	VA	78	01	24	0145	211	439	4.80	100.0	128	75
123.0	50.0	26	58.0	115	31.0	VA	78	01	23	2240	206	430	4.79	100.0	262	27
123.0	60.0	26	38.5	116	09.0	VA	78	01	23	1720	212	409	5.18	100.0	44	25
127.0	33.0	26	57.5	114	02.2	VA	78	01	24	1535	57	123	4.67	100.0	7	99
127.0	34.0	26	55.0	114	06.6	VA	78	01	24	1710	66	155	4.23	100.0	113	1000
127.0	45.0	26	33.0	114	48.5	VA	78	01	24	2320	214	453	4.73	100.0	14	21
127.0	50.0	26	23.0	115	08.0	VA	78	01	25	0310	215	470	4.57	100.0	49	213
127.0	60.0	26	03.5	115	46.5	VA	78	01	25	0845	214	455	4.71	100.0	3	12
130.0	28.0	26	33.0	113	21.0	VA	78	01	26	1105	49	106	4.62	100.0	366	189
130.0	30.0	26	29.0	113	29.0	VA	78	01	26	0940	73	149	4.86	100.0	89	1123
130.0	35.0	26	19.0	113	48.0	VA	78	01	26	0625	209	396	5.27	100.0	450	580
130.0	40.0	26	09.0	114	07.0	VA	78	01	26	0325	212	423	5.02	100.0	14	6
130.0	50.0	25	49.0	114	45.0	VA	78	01	25	2115	211	415	5.09	100.0	36	76
130.0	60.0	25	29.0	115	24.0	VA	78	01	25	1515	212	464	4.58	100.0	63	19
133.0	23.0	26	08.5	112	40.2	VA	78	01	26	1555	64	127	5.03	100.0	516	57
133.0	25.0	26	04.5	112	48.0	VA	78	01	26	1745	77	148	5.23	100.0	317	480
133.0	30.0	25	54.5	113	07.5	VA	78	01	26	2050	183	348	5.27	100.0	174	86
133.0	35.0	25	44.5	113	26.5	VA	78	01	26	2330	210	396	5.29	100.0	200	259
133.0	40.0	25	34.5	113	45.5	VA	78	01	27	0310	214	359	5.95	100.0	90	27
133.0	50.0	25	14.5	114	24.0	VA	78	01	27	0935	210	385	5.45	100.0	38	105
133.0	60.0	24	54.5	115	02.0	VA	78	01	27	1530	211	396	5.32	100.0	97	8
137.0	22.0	25	36.1	112	14.8	VA	78	01	28	2110	42	96	4.40	100.0	418	193
137.0	23.0	25	34.0	112	19.0	VA	78	01	28	2020	63	138	4.57	100.0	802	219
137.0	30.0	25	20.0	112	46.0	VA	78	01	28	1650	214	388	5.51	100.0	254	149
137.0	35.0	25	10.0	113	04.5	VA	78	01	28	1250	215	401	5.36	100.0	89	17
137.0	40.0	25	00.0	113	23.6	VA	78	01	28	0940	215	435	4.94	100.0	55	42
137.0	50.0	24	40.0	114	02.0	VA	78	01	28	0230	216	394	5.48	100.0	42	142
137.0	60.0	24	20.0	114	39.5	VA	78	01	27	2130	212	381	5.56	100.0	107	163

TABLE 1. (cont.)

CalCOFI Cruise 7803

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	50.0	37	57.5	122	53.1	JD	78	03	15	0820	34	76	4.42	100.0	94	245
60.0	52.5	37	52.5	123	02.5	JD	78	03	15	0645	73	145	5.01	50.0	29	30
60.0	55.0	37	47.0	123	15.0	JD	78	03	15	0445	208	378	5.51	50.0	52	50
60.0	60.0	37	37.4	123	37.0	JD	78	03	15	0020	217	364	5.96	54.0	8	3
60.0	70.0	37	19.0	124	17.5	JD	78	03	14	1750	207	388	5.34	69.0	3	14
63.0	50.0	37	23.2	122	27.8	JD	78	03	13	1750	19	52	3.61	100.0	105	616
63.0	52.0	37	19.0	122	36.0	JD	78	03	13	1920	72	157	4.61	59.0	207	462
63.0	55.0	37	13.0	122	50.0	JD	78	03	13	2210	197	413	4.78	48.0	174	344
63.0	60.0	37	03.0	123	12.0	JD	78	03	14	0300	211	381	5.53	54.0	16	9
63.0	65.0	36	53.0	123	33.0	JD	78	03	14	0559	207	429	4.82	51.0	10	36
63.0	70.0	36	43.0	123	55.0	JD	78	03	14	1015	216	392	5.51	48.0	19	51
66.0	49.0	36	53.0	122	07.7	JD	78	03	13	0705	49	101	4.82	100.0	21	420
67.0	50.0	36	48.0	122	05.0	JD	78	03	13	0904	217	359	6.04	47.0	35	18
67.0	55.0	36	39.0	122	26.0	JD	78	03	13	1252	214	362	5.91	45.0	30	265
67.0	60.0	36	28.0	122	47.0	JD	78	03	11	1610	214	406	5.28	36.0	22	29
67.0	65.0	36	18.0	123	08.0	JD	78	03	11	1150	207	358	5.77	48.0	29	25
67.0	70.0	36	08.0	123	29.5	JD	78	03	11	0910	213	362	5.89	59.0	22	21
67.0	80.0	35	48.0	124	12.0	JD	78	03	11	0315	197	403	4.88	59.0	16	25
67.0	90.0	35	28.0	124	55.0	JD	78	03	10	2105	214	412	5.18	100.0	17	13
70.0	51.0	36	11.3	121	43.9	JD	78	03	09	0953	108	191	5.64	52.0	23	3
70.0	53.0	36	06.5	121	54.0	JD	78	03	09	1252	214	407	5.27	48.0	18	33
70.0	60.0	35	53.0	122	22.5	JD	78	03	09	1810	208	451	4.62	50.0	17	20
70.0	65.0	35	43.0	122	44.7	JD	78	03	09	2120	212	417	5.08	49.0	3	10
70.0	70.0	35	33.0	123	06.0	JD	78	03	10	0120	211	394	5.37	51.0	15	63
70.0	80.0	35	12.0	123	49.0	JD	78	03	10	0832	207	486	4.25	100.0	9	94
70.0	90.0	34	53.0	124	30.0	JD	78	03	10	1420	215	388	5.55	100.0	38	160
73.0	50.0	35	37.0	121	17.0	JD	78	03	09	0530	83	163	5.12	52.0	221	3
73.0	53.0	35	31.5	121	28.5	JD	78	03	09	0340	210	365	5.76	50.0	67	227
73.0	60.0	35	17.5	121	58.0	JD	78	03	08	2255	214	404	5.29	53.0	251	88
73.0	65.0	35	08.0	122	18.0	JD	78	03	08	1840	198	422	4.67	51.0	110	61
73.0	70.0	34	58.0	122	40.0	JD	78	03	08	1540	207	433	4.78	59.0	9	48
73.0	80.0	34	38.2	123	22.0	JD	78	03	08	0935	209	400	5.22	49.0	7	35
73.0	90.0	34	18.5	124	04.0	JD	78	03	08	0345	205	411	4.98	100.0	287	454
77.0	48.0	35	08.3	120	43.7	JD	78	03	06	1640	21	46	4.54	100.0	139	214
77.0	51.0	35	02.0	120	56.5	JD	78	03	06	1945	213	398	5.35	49.0	133	31
77.0	55.0	34	54.5	121	13.2	JD	78	03	06	2303	215	371	5.81	57.0	61	92
77.0	60.0	34	44.0	121	34.0	JD	78	03	07	0352	210	366	5.73	46.0	159	54
77.0	65.0	34	34.0	121	55.0	JD	78	03	07	0615	212	365	5.82	53.0	104	107
77.0	70.0	34	24.0	122	16.1	JD	78	03	07	1000	211	379	5.57	50.0	31	195
77.0	80.0	34	04.0	122	57.0	JD	78	03	07	1555	210	384	5.45	49.0	71	188
77.0	90.0	33	42.2	123	37.2	JD	78	03	07	2153	213	388	5.49	100.0	43	70
80.0	51.0	34	26.1	120	32.4	JD	78	03	06	1135	93	187	4.96	100.0	452	58
80.0	52.0	34	24.8	120	35.8	JD	78	03	06	1020	206	397	5.18	100.0	398	182
80.0	55.0	34	19.0	120	48.0	JD	78	03	06	0730	214	385	5.56	52.0	62	201
80.0	60.0	34	09.0	121	09.0	JD	78	03	06	0315	215	399	5.40	54.0	281	452

TABLE 1. (cont.)

CalCOFI Cruise 7803

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	70.0	33	48.5	121	51.0	JD	78	03	05	2035	214	394	5.43	61.0	25	37
80.0	80.0	33	28.7	122	32.0	JD	78	03	05	1440	208	415	5.02	48.0	18	32
80.0	90.0	33	09.0	123	15.0	JD	78	03	05	0841	217	400	5.44	100.0	10	4
82.0	47.0	34	16.5	119	59.0	JD	78	03	03	1435	212	361	5.88	55.0	190	84
83.0	42.0	34	10.0	119	29.5	JD	78	03	03	0945	84	158	5.30	100.0	586	233
83.0	51.0	33	52.0	120	08.5	JD	78	03	03	1925	83	195	4.26	100.0	159	14
83.0	55.0	33	44.0	120	24.5	JD	78	03	03	2255	191	464	4.12	51.0	96	341
83.0	60.0	33	34.0	120	45.0	JD	78	03	04	0440	211	447	4.71	48.0	12	74
83.0	70.0	33	14.5	121	26.0	JD	78	03	04	1206	216	433	4.98	50.0	28	613
83.0	80.0	32	54.0	122	08.0	JD	78	03	04	1921	212	424	5.01	100.0	23	38
83.0	90.0	32	34.5	122	50.0	JD	78	03	05	0140	215	436	4.94	100.0	14	17
87.0	32.5	33	53.5	118	26.5	JD	78	03	02	0925	14	35	4.03	100.0	485	413
87.0	32.7	33	54.7	118	28.4	JD	78	03	02	1035	28	57	4.82	100.0	457	379
87.0	33.0	33	53.9	118	29.5	JD	78	03	02	1130	42	78	5.45	100.0	1475	473
87.0	34.0	33	52.0	118	33.2	JD	78	03	02	1250	61	139	4.42	100.0	828	565
87.0	35.0	33	50.0	118	37.5	JD	78	03	02	1423	218	343	6.37	100.0	1006	712
87.0	36.0	33	49.0	118	40.0	JD	78	03	02	1732	207	371	5.56	100.0	783	1311
87.0	40.0	33	40.0	118	58.0	JD	78	03	02	2145	214	367	5.82	100.0	799	869
87.0	45.0	33	30.0	119	19.0	JD	78	03	03	0229	218	367	5.94	100.0	449	413
87.0	50.0	33	20.0	119	39.5	JD	78	02	28	1253	59	195	3.02	100.0	35	24
87.0	55.0	33	10.0	120	00.0	JD	78	02	28	0910	216	360	5.99	100.0	52	119
87.0	60.0	33	00.0	120	21.5	JD	78	02	28	0610	210	369	5.69	47.0	17	65
87.0	70.0	32	39.8	121	02.0	JD	78	02	27	2259	212	369	5.75	100.0	137	99
87.0	80.0	32	20.0	121	42.0	JD	78	02	27	1718	206	363	5.68	100.0	28	16
87.0	90.0	31	59.0	122	24.0	JD	78	02	27	1150	216	362	5.98	100.0	10	17
90.0	27.6	33	29.3	117	45.5	JD	78	02	24	1807	35	66	5.31	100.0	360	242
90.0	28.0	33	28.5	117	46.7	JD	78	02	24	1921	212	363	5.84	53.0	237	48
90.0	29.0	33	27.0	117	49.5	JD	78	02	24	2100	212	356	5.98	43.0	319	57
90.0	30.0	33	25.0	117	53.5	JD	78	02	24	2309	211	352	6.01	55.0	222	35
90.0	31.0	33	23.0	117	57.7	JD	78	02	25	0045	214	344	6.22	50.0	935	473
90.0	33.0	33	18.5	118	07.0	JD	78	02	25	0615	210	361	5.81	47.0	1470	344
90.0	37.0	33	11.0	118	22.5	JD	78	02	25	1035	214	362	5.91	50.0	1090	339
90.0	45.0	32	54.5	118	55.5	JD	78	02	25	1640	209	359	5.81	52.0	127	483
90.0	53.0	32	39.0	119	28.5	JD	78	02	25	2235	209	348	6.01	100.0	218	224
90.0	60.0	32	25.0	119	57.5	JD	78	02	26	0450	209	354	5.90	48.0	312	956
90.0	70.0	32	05.0	120	39.0	JD	78	02	26	0956	210	359	5.86	100.0	126	41
90.0	80.0	31	44.5	121	19.5	JD	78	02	26	1625	215	370	5.82	100.0	34	14
90.0	90.0	31	24.0	122	01.3	JD	78	02	26	2219	213	360	5.91	100.0	36	23
90.0	100.0	31	05.0	122	39.0	JD	78	02	27	0420	208	380	5.48	100.0	30	34
93.0	26.7	32	57.2	117	17.5	JD	78	02	23	1115	14	31	4.46	100.0	230	183
93.0	26.9	32	56.8	117	18.5	JD	78	02	23	1005	56	102	5.45	100.0	398	213
93.0	28.0	32	54.8	117	21.8	JD	78	02	23	0830	210	356	5.90	100.0	441	127
93.0	29.0	32	52.7	117	26.6	JD	78	02	23	0700	210	349	6.02	100.0	119	105
93.0	30.0	32	50.5	117	31.0	JD	78	02	23	0355	209	358	5.83	46.0	672	488
93.0	35.0	32	40.5	117	51.5	JD	78	02	22	2330	208	358	5.82	57.0	636	520

TABLE 1. (cont.)

CalCOFI Cruise 7803

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	40.0	32	30.0	118	11.5	JD	78	02	22	2015	205	364	5.64	100.0	408	270
93.0	45.0	32	20.0	118	32.0	JD	78	02	22	1538	213	361	5.90	48.0	85	192
93.0	50.0	32	10.0	118	52.5	JD	78	02	22	1151	214	350	6.12	100.0	46	27
93.0	55.0	32	01.0	119	13.0	JD	78	02	22	0720	214	288	7.44	100.0	22	8
93.0	60.0	31	50.5	119	34.0	JD	78	02	22	0425	211	391	5.40	100.0	34	21
93.0	70.0	31	30.0	120	14.0	JD	78	02	21	2130	209	384	5.45	100.0	35	31
93.0	80.0	31	10.0	120	54.5	JD	78	02	21	1600	213	368	5.80	100.0	126	33
93.0	90.0	30	50.0	121	34.5	JD	78	02	21	0910	211	332	6.35	100.0	22	24
93.0	100.0	30	30.0	122	14.0	JD	78	02	21	0340	213	389	5.48	100.0	47	29
97.0	29.0	32	17.5	117	04.7	JD	78	02	18	2310	28	60	4.71	100.0	398	71
97.0	30.0	32	16.0	117	07.0	JD	78	02	19	0050	42	82	5.07	100.0	266	300
97.0	32.0	32	12.0	117	15.2	JD	78	02	19	0210	212	364	5.85	100.0	420	606
97.0	35.0	32	05.5	117	27.5	JD	78	02	19	0545	208	366	5.67	100.0	30	76
97.0	40.0	31	56.0	117	48.0	JD	78	02	19	1130	204	361	5.66	55.0	217	114
97.0	45.0	31	46.0	118	08.5	JD	78	02	19	1405	212	353	6.00	100.0	276	120
97.0	50.0	31	38.5	118	29.0	JD	78	02	19	1845	209	352	5.92	100.0	494	72
97.0	55.0	31	25.5	118	49.5	JD	78	02	19	2123	209	353	5.91	54.0	46	16
97.0	60.0	31	15.5	119	10.0	JD	78	02	20	0215	217	359	6.03	100.0	50	26
97.0	70.0	30	55.5	119	50.5	JD	78	02	20	0814	205	376	5.46	100.0	18	33
97.0	80.0	30	35.0	120	31.0	JD	78	02	20	1425	217	375	5.79	100.0	24	29
97.0	90.0	30	15.5	121	10.5	JD	78	02	20	1955	209	387	5.41	100.0	118	31
100.0	29.0	31	42.2	116	43.3	VA	78	02	18	0820	211	405	5.19	100.0	103	6
100.0	30.0	31	40.5	116	46.5	VA	78	02	18	1030	213	402	5.30	100.0	316	10
100.0	35.0	31	30.5	117	07.0	VA	78	02	18	1410	198	393	5.05	100.0	19	8
100.0	40.0	31	21.0	117	27.0	VA	78	02	18	1745	216	399	5.40	100.0	14	18
100.0	45.0	31	10.5	117	46.5	VA	78	02	18	2025	210	393	5.33	100.0	35	6
100.0	50.0	31	00.5	118	07.0	VA	78	02	19	0020	217	439	4.92	100.0	59	11
100.0	60.0	30	40.5	118	47.5	VA	78	02	19	0610	213	378	5.65	100.0	18	22
100.0	70.0	30	20.5	119	27.5	VA	78	02	19	1230	209	399	5.24	100.0	12	38
100.0	80.0	30	01.0	120	07.0	VA	78	02	19	1815	213	379	5.60	100.0	15	22
100.0	90.0	29	40.5	120	47.0	VA	78	02	19	2350	216	371	5.81	100.0	37	48
103.0	29.0	31	07.0	116	21.0	VA	78	02	21	1355	8	35	2.33	100.0	15	927
103.0	30.0	31	06.0	116	24.5	VA	78	02	21	1300	50	107	4.64	100.0	144	49
103.0	35.0	30	56.0	116	44.9	VA	78	02	21	1010	214	389	5.52	100.0	9	29
103.0	40.0	30	46.0	117	04.5	VA	78	02	21	0700	213	384	5.56	100.0	93	1309
103.0	45.0	30	36.0	117	24.0	VA	78	02	21	0305	222	436	5.09	100.0	40	5
103.0	50.0	30	26.0	117	44.5	VA	78	02	20	2330	213	428	4.96	100.0	20	5
103.0	60.0	30	06.0	118	25.0	VA	78	02	20	1810	211	390	5.42	50.0	21	14
103.0	70.0	29	46.2	119	04.8	VA	78	02	20	1225	211	414	5.08	100.0	30	32
103.0	80.0	29	26.5	119	43.0	VA	78	02	20	0740	207	407	5.08	100.0	53	65
107.0	31.0	30	24.8	116	07.1	VA	78	02	21	1820	108	200	5.39	100.0	910	291
107.0	32.0	30	25.8	116	11.0	VA	78	02	21	1945	214	389	5.50	50.0	62	1311
107.0	35.0	30	21.5	116	22.5	VA	78	02	21	2230	215	392	5.49	100.0	23	16
107.0	40.0	30	11.0	116	42.0	VA	78	02	22	0200	214	397	5.40	100.0	33	12
107.0	45.0	30	01.5	117	02.0	VA	78	02	22	0435	218	395	5.53	100.0	9	14

TABLE 1. (cont.)

CalCOFI Cruise 7803

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
107.0	50.0	29	50.5	117	22.0	VA	78	02	22	0755	210	396	5.29	53.0	22	11
107.0	60.0	29	32.0	118	01.5	VA	78	02	22	1335	215	392	5.48	100.0	13	33
107.0	70.0	29	11.0	118	41.0	VA	78	02	22	1905	216	396	5.45	100.0	87	59
107.0	80.0	28	51.5	119	20.0	VA	78	02	22	2340	214	399	5.37	100.0	66	53
110.0	32.4	29	51.2	115	49.7	VA	78	02	24	1030	22	45	4.82	100.0	302	460
110.0	35.0	29	46.0	116	00.0	VA	78	02	24	0825	213	400	5.33	100.0	3	2
110.0	40.0	29	36.5	116	19.5	VA	78	02	24	0515	213	416	5.12	100.0	67	3
110.0	45.0	29	26.5	116	39.5	VA	78	02	24	0100	214	423	5.05	100.0	38	2
110.0	50.0	29	16.5	116	59.0	VA	78	02	23	2215	210	395	5.31	100.0	14	3
110.0	60.0	28	56.5	117	39.0	VA	78	02	23	1715	212	409	5.17	100.0	49	12
110.0	70.0	28	36.5	118	18.0	VA	78	02	23	1055	214	392	5.47	100.0	45	13
110.0	80.0	28	16.5	118	57.5	VA	78	02	23	0550	209	403	5.18	100.0	109	22
113.0	29.0	29	24.5	115	13.5	VA	78	02	24	1540	14	33	4.30	100.0	175	185
113.0	30.0	29	22.0	115	18.0	VA	78	02	24	1630	50	112	4.44	100.0	566	5
113.0	35.0	29	11.5	115	38.0	VA	78	02	24	1945	212	415	5.12	100.0	581	121
113.0	40.0	29	02.0	115	57.0	VA	78	02	24	2315	212	400	5.30	100.0	36	1
113.0	45.0	28	52.0	116	18.0	VA	78	02	25	0205	212	401	5.28	100.0	26	0
113.0	50.0	28	41.5	116	36.5	VA	78	02	25	0525	215	407	5.28	100.0	18	0
113.0	60.0	28	22.0	117	16.0	VA	78	02	25	1145	214	404	5.29	100.0	43	5
113.0	70.0	28	02.0	117	55.0	VA	78	02	25	1750	217	402	5.41	100.0	45	25
113.0	80.0	27	42.0	118	33.5	VA	78	02	25	2250	214	400	5.36	100.0	44	76
117.0	26.0	28	55.9	114	41.5	VA	78	02	27	1710	58	124	4.67	100.0	293	4733
117.0	30.0	28	48.0	114	56.5	VA	78	02	27	1355	87	168	5.17	100.0	210	3712
117.0	35.0	28	38.0	115	16.0	VA	78	02	27	1035	182	357	5.09	100.0	204	299
117.0	40.0	28	28.0	115	35.5	VA	78	02	27	0505	216	375	5.75	100.0	282	160
117.0	45.0	28	18.0	115	55.9	VA	78	02	27	0055	214	373	5.73	100.0	87	45
117.0	50.0	28	08.0	116	15.0	VA	78	02	26	2245	214	372	5.74	100.0	16	12
117.0	60.0	27	47.9	116	52.9	VA	78	02	26	1645	217	359	6.04	100.0	13	21
117.0	70.0	27	27.5	117	32.5	VA	78	02	26	1025	213	417	5.10	100.0	21	84
117.0	80.0	27	08.0	118	10.5	VA	78	02	26	0445	218	379	5.77	100.0	89	154
118.0	39.0	28	18.5	115	23.6	VA	78	02	27	0745	210	407	5.17	100.0	106	1266
119.0	33.0	28	19.0	114	53.0	VA	78	03	04	2130	101	191	5.27	100.0	73	1032
120.0	24.0	28	25.1	114	10.1	VA	78	03	04	1450	22	53	4.07	100.0	56	4092
120.0	25.0	28	22.2	114	15.0	VA	78	03	04	1605	57	120	4.77	100.0	83	677
120.0	30.0	28	13.0	114	34.0	VA	78	03	04	1905	84	179	4.67	100.0	30	456
120.0	35.0	28	03.0	114	54.0	VA	78	03	05	0015	56	129	4.36	100.0	81	67
120.0	40.0	27	56.5	115	14.0	VA	78	03	05	0335	22	56	3.99	100.0	131	504
120.0	45.0	27	43.0	115	33.0	VA	78	03	05	0735	214	451	4.73	100.0	18	65
120.0	50.0	27	33.0	115	52.5	VA	78	03	05	1130	213	437	4.87	100.0	11	8
120.0	60.0	27	13.0	116	30.5	VA	78	03	05	1735	212	443	4.78	100.0	12	10
120.0	70.0	26	53.0	117	10.0	VA	78	03	05	2345	214	440	4.86	100.0	31	36
120.0	80.0	26	32.5	117	49.0	VA	78	03	06	0515	210	443	4.73	100.0	72	8
123.0	36.0	27	26.1	114	35.9	VA	78	03	07	0740	22	54	3.98	100.0	7	27
123.0	37.0	27	24.0	114	40.0	VA	78	03	07	0625	70	154	4.57	100.0	79	118
123.0	45.0	27	08.0	115	11.5	VA	78	03	07	0005	209	454	4.59	100.0	114	120

TABLE 1. (cont.)

CalCOFI Cruise 7803

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
123.0	50.0	26	58.0	115	31.0	VA	78	03	06	2115	211	429	4.92	100.0	49	10
123.0	60.0	26	38.5	116	09.0	VA	78	03	06	1605	206	404	5.11	100.0	23	17
127.0	33.0	26	57.5	114	02.2	VA	78	03	07	1250	56	128	4.38	100.0	15	721
127.0	34.0	26	55.0	114	06.5	VA	78	03	07	1530	79	169	4.66	100.0	89	376
127.0	40.0	26	43.5	114	29.4	VA	78	03	07	1915	208	437	4.76	100.0	35	72
127.0	45.0	26	33.0	114	48.5	VA	78	03	07	2235	212	451	4.71	100.0	39	30
127.0	50.0	26	23.0	115	08.0	VA	78	03	08	0235	212	430	4.94	100.0	295	11
130.0	28.0	26	33.0	113	21.0	VA	78	03	09	1145	49	101	4.89	100.0	55	704
130.0	30.0	26	29.0	113	29.0	VA	78	03	09	1030	65	140	4.62	100.0	55	4441
130.0	35.0	26	19.0	113	48.0	VA	78	03	09	0705	214	404	5.30	100.0	57	382
130.0	40.0	26	09.0	114	07.0	VA	78	03	09	0425	212	396	5.37	100.0	44	259
130.0	50.0	25	49.0	114	45.0	VA	78	03	08	2225	213	387	5.49	100.0	228	88
130.0	60.0	25	29.0	115	24.5	VA	78	03	08	1600	210	411	5.10	100.0	138	41
133.0	23.0	26	08.5	112	40.2	VA	78	03	09	1625	70	142	4.92	100.0	1410	141
133.0	25.0	26	02.9	112	47.7	VA	78	03	09	1910	76	164	4.60	100.0	552	56
133.0	30.0	25	54.5	113	07.5	VA	78	03	09	2235	203	412	4.92	100.0	158	161
133.0	35.0	25	44.5	113	26.5	VA	78	03	10	0140	211	450	4.69	100.0	122	171
133.0	40.0	25	34.5	113	45.0	VA	78	03	10	0530	210	434	4.83	100.0	48	15
133.0	50.0	25	14.5	114	24.0	VA	78	03	10	1045	210	371	5.65	100.0	107	54
133.0	60.0	24	54.5	115	02.0	VA	78	03	10	1615	209	404	5.17	100.0	37	64
137.0	22.0	25	36.1	112	14.8	VA	78	03	11	2110	49	118	4.16	100.0	83	1398
137.0	23.0	25	34.0	112	19.0	VA	78	03	11	2015	65	143	4.58	100.0	243	11
137.0	30.0	25	20.0	112	46.0	VA	78	03	11	1635	211	404	5.23	100.0	246	25
137.0	35.0	25	10.0	113	04.5	VA	78	03	11	1245	217	413	5.26	100.0	71	29
137.0	40.0	25	00.0	113	23.5	VA	78	03	11	1010	214	409	5.24	100.0	66	40
137.0	50.0	24	40.0	114	02.0	VA	78	03	11	0425	213	422	5.05	100.0	87	207
137.0	60.0	24	20.0	114	39.5	VA	78	03	10	2215	210	404	5.21	100.0	51	51

TABLE 1. (cont.)

CalCOFI Cruise 7804

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	50.0	37	57.5	122	53.1	JD	78	04	19	0725	21	49	4.31	44.0	9	122
60.0	52.5	37	52.5	123	03.5	JD	78	04	19	0855	71	135	5.23	49.0	103	159
60.0	55.0	37	47.0	123	15.0	JD	78	04	19	1125	121	231	5.25	46.0	21	12
60.0	60.0	37	37.0	123	37.0	JD	78	04	19	1525	216	408	5.29	49.0	1	8
63.0	50.0	37	23.3	122	27.8	JD	78	04	19	0305	22	48	4.59	51.0	168	30
63.0	52.0	37	19.0	122	36.0	JD	78	04	19	0145	77	150	5.11	54.0	88	786
63.0	55.0	37	13.0	122	50.0	JD	78	04	18	2305	213	390	5.46	49.0	36	9
63.0	60.0	37	03.0	123	12.0	JD	78	04	18	1850	208	371	5.61	49.0	12	70
66.0	49.0	36	53.0	122	01.7	JD	78	04	18	0140	14	36	3.89	51.0	21	13
67.0	50.0	36	48.0	122	05.0	JD	78	04	18	0340	92	176	5.23	48.0	52	9
67.0	55.0	36	39.0	122	26.0	JD	78	04	18	0725	208	379	5.48	50.0	17	17
67.0	60.0	36	28.0	122	47.0	JD	78	04	18	1140	210	396	5.30	48.0	16	59
70.0	51.0	36	11.3	121	43.9	JD	78	04	17	2005	113	224	5.06	51.0	9	2
70.0	53.0	36	06.5	121	54.0	JD	78	04	17	1810	194	415	4.69	47.0	27	0
70.0	60.0	35	53.0	122	22.5	JD	78	04	17	1255	216	409	5.28	46.0	8	22
70.0	65.0	35	43.0	122	45.0	JD	78	04	17	0820	214	406	5.27	51.0	7	23
70.0	70.0	35	33.0	123	06.0	JD	78	04	17	0540	213	391	5.45	50.0	2	6
73.0	50.0	35	37.0	121	17.0	JD	78	04	16	0750	90	176	5.11	54.0	62	29
73.0	53.0	35	31.4	121	28.6	JD	78	04	16	1100	213	402	5.30	52.0	72	38
73.0	60.0	35	17.5	121	57.9	JD	78	04	16	1620	214	409	5.23	45.0	55	68
73.0	65.0	35	08.0	122	19.0	JD	78	04	16	1850	208	413	5.03	47.0	10	29
73.0	70.0	34	58.0	122	40.0	JD	78	04	16	2255	212	407	5.20	50.0	14	8
77.0	48.0	35	08.3	120	43.7	JD	78	04	16	0325	22	47	4.53	100.0	33	284
77.0	51.0	35	02.0	120	56.5	JD	78	04	16	0120	214	403	5.30	51.0	35	10
77.0	55.0	34	54.5	121	13.0	JD	78	04	15	2110	212	421	5.03	48.0	28	5
77.0	60.0	34	44.0	121	34.0	JD	78	04	15	1655	212	415	5.11	48.0	18	16
77.0	65.0	34	34.0	121	55.0	JD	78	04	15	1145	219	399	5.49	50.0	21	49
77.0	70.0	34	25.0	122	16.0	JD	78	04	15	0901	215	398	5.39	43.0	11	31
80.0	51.0	34	26.0	120	32.6	JD	78	04	14	0940	112	221	5.08	100.0	15	3
80.0	52.0	34	24.8	120	36.0	JD	78	04	14	1120	215	394	5.47	48.0	19	3
80.0	55.0	34	19.0	120	48.0	JD	78	04	14	1505	218	389	5.60	51.0	21	68
80.0	60.0	34	09.0	121	10.0	JD	78	04	14	2020	213	366	5.81	48.0	26	81
80.0	70.0	33	48.5	121	51.0	JD	78	04	15	0235	214	390	5.49	51.0	24	25
82.0	47.0	34	16.5	119	59.0	JD	78	04	14	0605	210	378	5.56	48.0	6	19
83.0	40.6	34	12.5	119	24.2	JD	78	04	13	1115	21	49	4.26	100.0	69	2639
83.0	42.0	34	10.0	119	29.5	JD	78	04	13	0940	213	357	5.95	47.0	38	278
83.0	51.0	33	52.0	120	08.5	JD	78	04	13	0400	211	373	5.66	49.0	152	19
83.0	55.0	33	44.0	120	24.5	JD	78	04	13	0045	212	357	5.95	52.0	217	122
83.0	60.0	33	34.3	120	45.0	JD	78	04	12	2110	210	381	5.52	58.0	28	50
83.0	70.0	33	14.5	121	26.0	JD	78	04	12	1345	210	398	5.27	51.0	22	28
87.0	32.5	33	53.5	118	26.5	JD	78	04	10	0010	7	24	2.89	100.0	13	193
87.0	32.7	33	54.5	118	28.0	JD	78	04	10	0120	27	64	4.25	100.0	260	81
87.0	33.0	33	53.9	118	29.0	JD	78	04	10	0220	43	87	4.96	100.0	98	46
87.0	34.0	33	52.0	118	33.2	JD	78	04	10	0345	63	125	5.04	50.0	281	64
87.0	35.0	33	50.0	118	37.8	JD	78	04	10	0525	207	380	5.44	51.0	442	156

TABLE 1. (cont.)

CalCOFI Cruise 7804

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
87.0	36.0	33	49.0	118	40.0	JD	78	04	10	2000	217	366	5.92	48.0	244	198
87.0	40.0	33	40.0	118	58.0	JD	78	04	11	0055	212	371	5.73	54.0	29	76
87.0	45.0	33	30.0	119	19.0	JD	78	04	11	0545	205	399	5.15	52.0	16	72
87.0	50.0	33	20.0	119	39.5	JD	78	04	11	1004	63	137	4.62	49.0	176	179
87.0	55.0	33	10.0	120	00.0	JD	78	04	11	1350	216	377	5.73	48.0	42	87
87.0	60.0	33	00.0	120	21.5	JD	78	04	12	0010	215	381	5.66	100.0	73	129
87.0	70.0	32	39.6	121	02.0	JD	78	04	12	0725	212	393	5.40	100.0	30	100
90.0	27.6	33	29.0	117	45.5	JD	78	04	08	1910	48	98	4.94	100.0	589	204
90.0	28.0	33	28.5	117	46.7	JD	78	04	08	2035	215	388	5.53	53.0	728	85
90.0	29.0	33	27.0	117	49.5	JD	78	04	08	2210	214	382	5.60	58.0	645	1015
90.0	30.0	33	25.0	117	53.5	JD	78	04	09	0025	216	371	5.81	54.0	585	1095
90.0	31.0	33	23.0	117	57.7	JD	78	04	09	0240	212	380	5.59	44.0	554	616
90.0	33.0	33	18.5	118	07.0	JD	78	04	09	0645	208	386	5.38	47.0	445	590
90.0	37.0	33	11.0	118	22.5	JD	78	04	09	1045	213	385	5.52	49.0	12	49
90.0	45.0	32	54.5	118	55.5	JD	78	04	09	1650	209	388	5.38	50.0	68	120
90.0	53.0	32	39.0	119	29.0	JD	78	04	08	0645	213	398	5.34	100.0	15	79
90.0	60.0	32	25.0	119	57.5	JD	78	04	08	0125	211	440	4.79	100.0	43	107
90.0	70.0	32	04.5	120	38.3	JD	78	04	07	1825	208	459	4.55	100.0	15	126
90.0	80.0	31	44.5	121	19.5	JD	78	04	07	1220	218	419	5.21	100.0	16	107
90.0	90.0	31	22.3	122	01.4	JD	78	04	07	0550	207	397	5.22	100.0	9	246
90.0	100.0	31	02.0	122	42.2	JD	78	04	06	2230	216	430	5.02	100.0	51	76
90.0	110.0	30	45.1	123	19.9	JD	78	04	06	1600	211	405	5.22	100.0	33	59
90.0	120.0	30	25.1	123	59.9	JD	78	04	06	1005	212	417	5.09	100.0	41	44
90.0	130.0	30	04.1	124	37.8	JD	78	04	06	0430	206	412	5.00	100.0	44	18
90.0	140.0	29	45.1	125	19.6	JD	78	04	05	2200	212	406	5.22	100.0	104	32
90.0	150.0	29	23.0	125	59.8	JD	78	04	05	1600	210	402	5.23	100.0	61	23
90.0	160.0	29	05.1	126	38.8	JD	78	04	05	0915	213	402	5.29	100.0	80	18
90.0	170.0	28	45.1	127	17.3	JD	78	04	05	0320	214	401	5.35	100.0	64	10
90.0	180.0	28	25.1	127	57.4	JD	78	04	04	2120	216	389	5.54	100.0	76	12
90.0	190.0	28	05.1	128	36.5	JD	78	04	04	1455	216	401	5.37	100.0	59	13
90.0	200.0	27	45.1	129	15.5	JD	78	04	04	0850	211	409	5.15	100.0	55	16
93.0	26.7	32	57.0	117	17.4	JD	78	03	29	1950	20	50	3.95	100.0	588	161
93.0	26.9	32	56.7	117	18.4	JD	78	03	29	2100	69	134	5.17	100.0	471	83
93.0	28.0	32	54.7	117	21.8	JD	78	03	29	2240	212	363	5.85	53.0	361	525
93.0	29.0	32	52.6	117	26.6	JD	78	03	30	0120	211	379	5.56	100.0	474	491
93.0	30.0	32	50.5	117	31.0	JD	78	03	30	0405	212	352	6.01	100.0	402	470
93.0	35.0	32	40.5	117	51.5	JD	78	03	30	0740	204	363	5.63	51.0	44	18
93.0	40.0	32	30.0	118	11.5	JD	78	03	30	1340	213	369	5.77	48.0	11	32
93.0	45.0	32	20.0	118	32.0	JD	78	03	30	1805	209	377	5.55	45.0	37	63
93.0	50.0	32	10.0	118	53.0	JD	78	03	30	2355	218	400	5.44	100.0	62	75
93.0	55.0	32	00.0	119	13.5	JD	78	03	31	0345	217	416	5.21	100.0	62	31
93.0	60.0	31	50.4	119	33.7	JD	78	03	31	1020	215	407	5.28	100.0	41	24
93.0	70.0	31	30.0	120	14.0	JD	78	03	31	1855	211	419	5.03	100.0	39	42
93.0	80.0	31	10.0	120	54.4	JD	78	04	01	0120	201	431	4.67	100.0	35	52
93.0	90.0	30	51.0	121	34.5	JD	78	04	01	0820	217	388	5.59	100.0	7	72

TABLE 1. (cont.)

CalCOFI Cruise 7804

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	100.0	30	30.0	122	09.0	JD	78	04	01	1345	219	392	5.57	100.0	11	107
93.0	110.0	30	09.6	122	54.7	JD	78	04	01	2110	214	416	5.16	100.0	55	14
93.0	120.0	29	49.0	123	35.0	JD	78	04	02	0245	216	407	5.30	100.0	111	73
93.0	130.0	29	29.0	124	14.0	JD	78	04	02	0920	214	393	5.45	100.0	84	22
93.0	140.0	29	09.0	124	53.0	JD	78	04	02	1540	216	400	5.39	100.0	74	10
93.0	150.0	28	50.4	125	33.6	JD	78	04	02	2115	213	403	5.27	100.0	118	14
93.0	160.0	28	33.2	126	10.7	JD	78	04	03	0240	211	411	5.12	100.0	119	7
93.0	170.0	28	10.4	126	52.0	JD	78	04	03	0915	212	403	5.25	100.0	39	21
93.0	180.0	27	50.8	127	30.9	JD	78	04	03	1500	214	398	5.38	100.0	51	25
93.0	190.0	27	30.5	128	09.8	JD	78	04	03	2100	212	401	5.28	100.0	99	19
93.0	200.0	27	10.4	128	48.9	JD	78	04	04	0315	209	420	4.96	100.0	89	17
97.0	29.0	32	17.5	117	04.7	VA	78	04	04	1430	36	88	4.13	100.0	335	192
97.0	30.0	32	15.9	117	07.0	VA	78	04	04	1635	56	128	4.36	100.0	710	119
97.0	32.0	32	12.0	117	15.2	VA	78	04	04	1820	204	422	4.84	54.0	96	93
97.0	35.0	32	05.5	117	27.5	VA	78	04	04	2140	208	454	4.58	51.0	28	40
97.0	40.0	31	56.0	117	48.0	VA	78	04	05	0310	215	431	4.98	51.0	109	74
97.0	45.0	31	46.0	118	08.5	VA	78	04	05	0600	208	462	4.51	49.0	55	31
97.0	50.0	31	36.0	118	30.5	VA	78	04	05	1010	214	421	5.07	100.0	17	68
97.0	55.0	31	25.5	118	49.5	VA	78	04	05	1305	218	408	5.33	100.0	28	50
97.0	60.0	31	15.5	119	10.0	VA	78	04	05	1715	211	433	4.87	58.0	13	50
97.0	70.0	30	55.0	119	50.5	VA	78	04	05	2300	212	431	4.91	100.0	94	238
97.0	80.0	30	35.0	120	31.0	VA	78	04	06	0525	214	442	4.84	100.0	115	62
97.0	90.0	30	15.5	121	10.5	VA	78	04	06	1050	213	406	5.25	100.0	49	107
97.0	100.0	29	55.0	121	50.0	VA	78	04	06	1640	208	447	4.66	100.0	74	49
100.0	29.0	31	42.0	116	43.4	JD	78	04	21	1835	140	281	4.96	100.0	129	28
100.0	30.0	31	40.5	116	46.5	JD	78	04	21	2035	209	409	5.10	56.0	417	164
100.0	35.0	31	30.5	117	07.0	JD	78	04	22	0005	210	404	5.18	49.0	33	18
100.0	40.0	31	20.9	117	27.1	JD	78	04	22	0315	215	387	5.54	46.0	29	16
100.0	45.0	31	10.5	117	46.5	JD	78	04	22	0545	208	390	5.32	51.0	27	13
100.0	50.0	31	00.5	118	07.0	JD	78	04	22	0925	214	387	5.53	48.0	13	14
100.0	60.0	30	40.5	118	47.5	JD	78	04	22	1520	220	388	5.67	100.0	24	30
100.0	80.0	30	01.0	120	07.0	VA	78	04	07	1050	215	430	5.00	100.0	39	255
100.0	90.0	29	40.5	120	47.0	VA	78	04	07	0415	213	412	5.16	100.0	101	81
100.0	100.0	29	20.0	121	26.5	VA	78	04	06	2150	212	468	4.53	100.0	95	402
103.0	29.0	31	07.0	116	21.0	JD	78	04	23	1225	30	59	5.04	100.0	36	20
103.0	30.0	31	06.0	116	24.5	JD	78	04	23	1130	49	99	4.98	100.0	69	23
103.0	35.0	30	56.0	116	45.0	JD	78	04	23	0825	214	383	5.60	42.0	12	50
103.0	40.0	30	46.0	117	04.5	JD	78	04	23	0500	211	371	5.68	54.0	16	313
103.0	45.0	30	36.0	117	24.0	JD	78	04	23	0115	212	383	5.53	46.0	22	81
103.0	50.0	30	26.0	117	44.5	JD	78	04	22	2210	214	392	5.46	52.0	10	10
107.0	31.0	30	27.8	116	07.0	JD	78	04	23	1635	38	58	6.51	42.0	38	187
107.0	32.0	30	25.8	116	11.0	JD	78	04	23	1800	202	410	4.92	56.0	132	1654
107.0	35.0	30	21.5	116	22.5	JD	78	04	23	2045	210	389	5.41	49.0	57	0
107.0	40.0	30	11.0	116	42.0	JD	78	04	24	0005	195	405	4.81	59.0	7	2
107.0	45.0	30	01.5	117	02.0	JD	78	04	24	0240	216	369	5.86	51.0	20	10

TABLE 1. (cont.)

CalCOFI Cruise 7804

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
107.0	50.0	29	50.7	117	22.0	JD	78	04	24	0605	210	375	5.59	100.0	57	27
110.0	32.4	29	51.2	115	49.7	JD	78	04	24	2305	42	82	5.14	52.0	63	1
110.0	35.0	29	46.0	116	00.0	JD	78	04	24	2105	211	352	5.98	53.0	219	13
110.0	40.0	29	33.0	116	21.0	JD	78	04	24	1720	213	376	5.65	52.0	239	6
110.0	45.0	29	26.5	116	39.5	JD	78	04	24	1345	213	377	5.65	51.0	12	3
110.0	50.0	29	14.9	116	58.2	JD	78	04	24	1100	216	381	5.67	53.0	25	6
113.0	29.0	29	24.5	115	13.5	JD	78	04	25	0330	22	47	4.59	100.0	111	7
113.0	30.0	29	22.0	115	18.0	JD	78	04	25	0425	35	77	4.57	100.0	49	6
113.0	35.0	29	12.0	115	38.0	JD	78	04	25	0735	212	389	5.46	48.0	107	8
113.0	40.0	29	02.8	115	58.3	JD	78	04	25	1035	214	368	5.82	50.0	39	5
113.0	45.0	28	52.0	116	18.0	JD	78	04	25	1330	213	364	5.85	44.0	127	20
113.0	50.0	28	41.5	116	36.0	JD	78	04	25	1700	215	369	5.82	48.0	10	15

TABLE 1. (cont.)

CalCOFI Cruise 7805

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	52.5	37	52.5	123	03.5	JD	78	05	14	1600	77	159	4.84	40.0	5	7
60.0	55.0	37	47.0	123	15.0	JD	78	05	14	1830	133	265	5.01	55.0	19	16
60.0	60.0	37	37.0	123	37.0	JD	78	05	14	2225	208	412	5.04	51.0	7	68
60.0	70.0	37	17.0	124	22.0	JD	78	05	15	0430	211	419	5.03	48.0	4	96
60.0	80.0	36	56.5	125	04.0	JD	78	05	15	0939	213	411	5.18	54.0	13	57
60.0	90.0	36	37.0	125	47.0	JD	78	05	15	1610	210	391	5.37	100.0	4	48
63.0	52.0	37	19.0	122	36.0	JD	78	05	17	0015	71	199	3.55	48.0	13	5
63.0	55.0	37	13.0	122	50.0	JD	78	05	16	2140	202	368	5.48	51.0	66	39
63.0	60.0	37	03.0	123	12.0	JD	78	05	16	1635	202	429	4.69	52.0	17	74
63.0	70.0	36	42.5	123	55.0	JD	78	05	16	0921	204	420	4.85	46.0	9	144
63.0	80.0	36	23.0	124	38.5	JD	78	05	16	0331	205	460	4.46	48.0	16	29
63.0	90.0	36	03.0	125	20.0	JD	78	05	15	2140	206	441	4.67	47.0	14	27
67.0	50.0	36	48.0	122	05.0	JD	78	05	17	0830	211	320	6.61	48.0	27	4
67.0	55.0	36	39.0	122	26.0	JD	78	05	17	1235	219	324	6.78	48.0	15	9
67.0	60.0	36	28.0	122	47.5	JD	78	05	17	1635	207	352	5.88	50.0	32	90
67.0	70.0	36	08.0	123	29.5	JD	78	05	17	2200	208	386	5.40	51.0	57	161
67.0	80.0	35	48.0	124	12.0	JD	78	05	18	0320	209	389	5.36	44.0	6	26
67.0	90.0	35	28.0	124	55.0	JD	78	05	18	0842	216	363	5.95	100.0	9	16
70.0	51.0	36	11.3	121	43.9	JD	78	05	19	1230	70	123	5.68	49.0	11	9
70.0	53.0	36	06.5	121	54.0	JD	78	05	19	1045	208	327	6.37	52.0	35	24
70.0	60.0	35	53.0	122	22.6	JD	78	05	19	0640	208	342	6.09	49.0	20	33
70.0	70.0	35	33.0	123	06.0	JD	78	05	19	0055	213	375	5.67	100.0	42	47
70.0	80.0	35	15.7	123	46.0	JD	78	05	18	2055	209	387	5.39	100.0	64	147
70.0	90.0	34	53.9	124	30.8	JD	78	05	18	1525	213	370	5.76	100.0	51	114
73.0	50.0	35	37.0	121	17.0	JD	78	05	19	1645	86	159	5.40	54.0	68	7
73.0	53.0	35	31.7	121	28.3	JD	78	05	19	1915	209	348	6.01	50.0	45	24
73.0	60.0	35	17.5	121	58.0	JD	78	05	19	2315	212	346	6.13	100.0	59	50
73.0	70.0	34	58.0	122	40.0	JD	78	05	20	0440	206	362	5.69	49.0	38	47
73.0	80.0	34	38.0	123	22.0	JD	78	05	20	0929	212	351	6.05	100.0	33	83
73.0	90.0	34	18.5	124	04.0	JD	78	05	20	1530	210	367	5.73	100.0	28	80
77.0	51.0	35	02.0	120	56.5	JD	78	05	21	2030	211	288	7.34	51.0	64	7
77.0	55.0	34	54.5	121	13.0	JD	78	05	21	1750	210	351	6.00	48.0	34	22
77.0	60.0	34	44.0	121	34.0	JD	78	05	21	1418	212	323	6.57	49.0	63	21
77.0	70.0	34	24.4	122	16.4	JD	78	05	21	0755	210	348	6.05	51.0	54	105
77.0	80.0	34	04.0	122	57.0	JD	78	05	21	0150	212	357	5.93	100.0	61	51
77.0	90.0	33	43.0	123	39.0	JD	78	05	20	2010	211	350	6.03	100.0	38	70
80.0	51.0	34	26.0	120	32.5	JD	78	05	22	0115	85	154	5.52	53.0	12	0
80.0	55.0	34	19.0	120	48.0	JD	78	05	22	0415	209	343	6.09	46.0	9	2
80.0	60.0	34	09.0	121	09.0	JD	78	05	22	0805	205	344	5.97	51.0	21	37
80.0	70.0	33	48.5	121	51.0	JD	78	05	22	1330	219	345	6.36	51.0	27	11
80.0	80.0	33	29.4	122	31.0	JD	78	05	22	1820	211	399	5.29	51.0	15	41
80.0	90.0	33	09.0	123	13.0	JD	78	05	23	0110	216	441	4.91	100.0	39	47
83.0	40.6	34	12.5	119	24.2	JD	78	05	25	0125	21	59	3.50	50.0	32	140
83.0	42.0	34	10.0	119	29.5	JD	78	05	25	0300	161	332	4.85	52.0	85	39

TABLE 1. (cont.)

CalCOFI Cruise 7805

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
83.0	60.0	33	34.0	120	45.0	JD	78	05	23	2320	212	466	4.55	53.0	39	124
83.0	70.0	33	14.5	121	26.0	JD	78	05	23	1735	211	418	5.04	49.0	11	26
83.0	80.0	32	54.0	122	08.0	JD	78	05	23	1130	215	420	5.10	100.0	37	84
83.0	90.0	32	34.5	122	50.0	JD	78	05	23	0615	201	408	4.92	100.0	19	63
87.0	32.5	33	53.5	118	26.5	JD	78	05	25	0906	13	41	3.19	100.0	10	132
87.0	32.7	33	54.5	118	28.0	JD	78	05	25	0959	19	40	4.78	100.0	14	32
87.0	33.0	33	53.9	118	29.0	JD	78	05	25	1053	37	71	5.12	50.0	5	1
87.0	35.0	33	50.0	118	37.5	JD	78	05	25	1221	212	379	5.58	28.0	23	132
87.0	40.0	33	40.0	118	58.0	JD	78	05	25	1610	213	350	6.08	50.0	179	410
87.0	45.0	33	30.0	119	19.0	JD	78	05	25	1930	214	418	5.11	49.0	10	6
87.0	50.0	33	20.0	119	39.5	JD	78	05	25	2230	53	143	3.67	46.0	15	824
87.0	55.0	33	10.0	120	00.0	JD	78	05	28	1415	224	369	6.06	49.0	28	8
87.0	60.0	33	00.5	120	21.0	JD	78	05	28	1845	217	394	5.50	52.0	24	6
87.0	70.0	32	39.5	121	02.0	JD	78	05	29	0030	213	416	5.13	100.0	32	23
87.0	80.0	32	20.0	121	43.0	JD	78	05	29	0555	210	421	4.98	100.0	26	35
87.0	90.0	31	59.0	122	24.0	JD	78	05	29	1017	218	426	5.13	100.0	30	34
90.0	27.6	33	29.3	117	45.5	JD	78	05	27	0520	28	64	4.32	46.0	15	231
90.0	28.0	33	28.5	117	46.7	JD	78	05	27	0505	85	178	4.79	53.0	16	45
90.0	29.0	33	27.0	117	49.5	JD	78	05	27	0330	218	372	5.85	47.0	30	8
90.0	30.0	33	25.0	117	53.5	JD	78	05	27	0200	214	372	5.77	54.0	134	11
90.0	31.0	33	23.0	117	57.7	JD	78	05	26	2347	213	377	5.67	51.0	207	18
90.0	33.0	33	18.5	118	07.0	JD	78	05	26	2140	212	379	5.59	48.0	722	245
90.0	37.0	33	11.0	118	22.5	JD	78	05	26	1825	214	389	5.49	50.0	15	32
90.0	45.0	32	54.5	118	55.5	JD	78	05	26	1326	219	379	5.79	50.0	9	50
90.0	53.0	32	39.0	119	28.5	JD	78	05	28	0925	216	373	5.77	47.0	31	19
90.0	60.0	32	24.9	119	57.5	JD	78	05	30	1038	217	403	5.38	100.0	9	11
90.0	70.0	32	04.5	120	38.5	JD	78	05	30	0540	213	411	5.19	100.0	35	60
90.0	80.0	31	44.5	121	19.5	JD	78	05	29	2340	220	413	5.33	100.0	41	36
90.0	90.0	31	24.0	122	01.0	JD	78	05	29	1705	213	411	5.19	100.0	12	97
93.0	26.7	32	57.2	117	17.4	JD	78	05	27	1040	36	75	4.75	100.0	13	78
93.0	26.9	32	56.8	117	18.3	JD	78	05	27	1125	87	163	5.32	100.0	13	60
93.0	28.0	32	54.7	117	21.8	JD	78	05	27	1239	216	394	5.48	56.0	42	223
93.0	30.0	32	50.5	117	31.0	JD	78	05	27	1528	219	369	5.94	48.0	21	4
93.0	35.0	32	40.5	117	51.5	JD	78	05	27	1815	211	380	5.55	44.0	10	6
93.0	40.0	32	30.0	118	11.5	JD	78	05	27	2135	213	378	5.64	49.0	54	5
93.0	45.0	32	20.0	118	32.0	JD	78	05	27	0000	215	366	5.88	50.0	16	7
93.0	50.0	32	10.0	118	52.5	JD	78	05	28	0330	217	412	5.26	55.0	51	18
93.0	55.0	32	00.0	119	13.5	JD	78	05	30	1705	209	409	5.11	54.0	12	12
93.0	60.0	31	50.0	119	34.0	JD	78	05	30	2045	215	404	5.32	100.0	58	34
93.0	70.0	31	30.0	120	14.0	JD	78	05	31	0220	216	441	4.89	100.0	54	69
93.0	80.0	31	10.5	120	55.0	JD	78	05	31	0650	214	415	5.15	100.0	71	58
93.0	90.0	30	50.0	121	34.5	JD	78	05	31	1158	214	434	4.92	100.0	40	134
97.0	30.0	32	16.0	117	07.0	JD	78	06	02	0735	43	85	5.03	53.0	39	110
97.0	32.0	32	12.0	117	15.2	JD	78	06	02	0540	209	392	5.33	48.0	18	5
97.0	35.0	32	05.5	117	27.5	JD	78	06	02	0330	216	388	5.55	60.0	19	4

TABLE 1. (cont.)

CalCOFI Cruise 7805

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
97.0	40.0	31	54.4	117	48.6	JD	78	06	01	2350	216	384	5.64	53.0	24	8
97.0	45.0	31	46.0	118	08.5	JD	78	06	01	2025	215	364	5.91	59.0	33	9
97.0	50.0	31	36.0	118	30.5	JD	78	06	01	1740	214	378	5.66	49.0	26	20
97.0	55.0	31	25.5	118	49.5	JD	78	06	01	1416	218	386	5.66	56.0	13	28
97.0	60.0	31	15.5	119	10.0	JD	78	06	01	1024	213	392	5.44	51.0	27	27
97.0	70.0	30	55.0	119	50.6	JD	78	06	01	0605	211	421	5.02	100.0	39	48
97.0	80.0	30	35.0	120	31.0	JD	78	05	31	0030	212	424	5.01	100.0	157	15
97.0	90.0	30	15.7	121	10.0	JD	78	05	31	1910	210	417	5.03	100.0	51	461
100.0	29.0	31	42.2	116	43.4	JD	78	06	03	1525	102	218	4.67	53.0	12	9
100.0	30.0	31	40.5	116	46.5	JD	78	06	03	1820	212	375	5.65	57.0	11	16
100.0	35.0	31	30.5	117	07.0	JD	78	06	03	2125	207	400	5.19	52.0	8	2
100.0	40.0	31	21.0	117	27.0	JD	78	06	04	0100	216	390	5.55	55.0	13	2
100.0	50.0	31	00.5	118	07.0	JD	78	06	04	0605	206	402	5.13	53.0	22	18
100.0	60.0	30	40.6	118	50.0	JD	78	06	04	1022	216	393	5.51	100.0	48	106
100.0	70.0	30	20.5	119	27.5	JD	78	06	04	1545	211	414	5.10	100.0	64	45
100.0	80.0	30	01.0	120	07.0	JD	78	06	04	2110	211	408	5.18	100.0	181	146
100.0	90.0	29	40.5	120	47.0	JD	78	06	05	0350	209	412	5.08	100.0	275	406
103.0	30.0	31	06.0	116	24.5	JD	78	06	06	1610	55	111	4.96	49.0	10	8
103.0	35.0	30	56.0	116	45.0	JD	78	06	06	1330	217	394	5.53	47.0	4	2
103.0	40.0	30	46.0	117	04.5	JD	78	06	06	1018	212	373	5.69	52.0	12	8
103.0	45.0	30	36.0	117	24.0	JD	78	06	06	0655	209	374	5.58	49.0	9	13
103.0	50.0	30	26.0	117	44.5	JD	78	06	06	0355	208	408	5.09	52.0	17	12
103.0	60.0	30	06.0	118	25.0	JD	78	06	05	2050	213	394	5.40	52.0	74	78
103.0	70.0	29	46.2	119	04.8	JD	78	06	05	1525	218	397	5.49	100.0	120	63
103.0	80.0	29	25.0	119	43.9	JD	78	06	05	0959	212	414	5.12	100.0	107	978
107.0	32.0	30	25.8	116	11.0	JD	78	06	06	2035	211	402	5.26	46.0	6	5
107.0	35.0	30	21.5	116	22.5	JD	78	06	06	2300	211	401	5.27	52.0	9	5
107.0	40.0	30	11.0	116	42.0	JD	78	06	07	0220	213	398	5.36	51.0	27	18
107.0	50.0	29	50.5	117	22.0	JD	78	06	07	0749	214	394	5.42	51.0	10	12
107.0	60.0	29	32.0	118	01.5	JD	78	06	07	1209	211	403	5.25	56.0	26	47
107.0	70.0	29	11.0	118	41.0	JD	78	06	07	1945	211	392	5.37	100.0	205	341
107.0	80.0	28	51.5	119	20.0	JD	78	06	07	0050	220	370	5.93	100.0	264	377
110.0	32.4	29	51.2	115	49.7	JD	78	06	09	1015	28	65	4.35	50.0	1	9
110.0	35.0	29	46.0	116	00.0	JD	78	06	09	0818	215	388	5.54	51.0	5	2
110.0	40.0	29	36.5	116	19.5	JD	78	06	09	0500	211	387	5.45	48.0	8	5
110.0	45.0	29	26.5	116	39.5	JD	78	06	09	0215	219	384	5.71	52.0	5	4
110.0	50.0	29	15.8	116	58.8	JD	78	06	08	2230	216	242	8.91	55.0	12	13
110.0	60.0	28	56.5	117	39.0	JD	78	06	08	1555	213	408	5.23	100.0	330	204
110.0	70.0	28	36.5	118	18.0	JD	78	06	08	1048	213	403	5.30	100.0	130	123
110.0	80.0	28	17.0	118	57.5	JD	78	06	08	0615	209	389	5.36	100.0	188	1604
113.0	50.0	28	41.5	116	36.5	JD	78	06	09	1805	215	390	5.52	51.0	21	35
113.0	60.0	28	22.0	117	16.0	JD	78	06	09	2310	213	394	5.39	100.0	211	1433
113.0	70.0	28	02.0	117	55.0	JD	78	06	10	0550	213	402	5.31	100.0	39	67
113.0	80.0	27	44.5	118	36.0	JD	78	06	10	0953	213	415	5.13	100.0	29	426

TABLE 1. (cont.)

CalCOFI Cruise 7807

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	50.0	37 57.5	122 53.1	JD	78 07 15	0345	36	79	4.52	50.0	2	31
60.0	52.5	37 52.5	123 03.5	JD	78 07 15	0515	77	152	5.08	50.0	4	1
60.0	55.0	37 47.0	123 15.0	JD	78 07 15	0735	127	227	5.57	51.0	15	4
60.0	60.0	37 37.0	123 37.0	JD	78 07 15	1120	214	360	5.94	55.0	75	24
60.0	65.0	37 27.0	123 58.5	JD	78 07 15	1410	214	362	5.91	54.0	23	43
60.0	70.0	37 17.0	124 21.0	JD	78 07 15	1815	212	383	5.54	49.0	31	27
60.0	80.0	36 56.5	125 04.0	JD	78 07 16	0040	214	400	5.35	100.0	12	7
60.0	90.0	36 37.0	125 47.0	JD	78 07 16	0708	209	453	4.62	100.0	25	7
63.0	50.0	37 23.3	122 27.8	JD	78 07 14	2325	21	48	4.41	44.0	0	6
63.0	52.0	37 19.0	122 36.0	JD	78 07 14	2140	78	155	5.03	49.0	1	29
63.0	55.0	37 13.0	122 50.0	JD	78 07 14	1855	212	377	5.64	53.0	34	2
63.0	60.0	37 03.4	123 10.5	JD	78 07 14	1510	213	371	5.75	54.0	14	3
63.0	65.0	36 53.0	123 33.0	JD	78 07 14	1005	211	367	5.76	46.0	25	34
63.0	70.0	36 42.5	123 55.0	JD	78 07 14	0705	211	374	5.64	50.0	16	61
63.0	80.0	36 23.0	124 38.5	JD	78 07 14	0104	217	391	5.54	54.0	21	18
63.0	90.0	36 03.0	125 20.0	JD	78 07 13	1855	211	389	5.42	100.0	21	2
66.0	49.0	36 53.0	122 01.7	JD	78 07 12	0730	42	87	4.87	100.0	2	155
67.0	50.0	36 48.0	122 05.0	JD	78 07 12	0935	212	393	5.39	48.0	19	20
67.0	55.0	36 39.0	122 26.0	JD	78 07 12	1400	216	362	5.95	44.0	11	2
67.0	60.0	36 28.0	122 47.0	JD	78 07 12	1845	212	381	5.57	48.0	28	1
67.0	65.0	36 18.0	123 09.0	JD	78 07 12	2140	212	382	5.56	50.0	66	4
67.0	70.0	36 08.0	123 29.5	JD	78 07 13	0130	216	384	5.62	49.0	55	23
67.0	80.0	35 48.0	124 12.0	JD	78 07 13	0715	213	396	5.37	45.0	9	38
67.0	90.0	35 28.0	124 55.0	JD	78 07 13	1255	214	380	5.63	100.0	20	5
70.0	51.0	36 11.3	121 43.9	JD	78 07 12	0150	85	166	5.13	49.0	11	18
70.0	53.0	36 06.5	121 54.0	JD	78 07 11	2355	210	411	5.12	51.0	55	3
70.0	60.0	35 53.0	122 22.5	JD	78 07 11	1925	215	387	5.57	52.0	16	5
70.0	65.0	35 43.0	122 45.0	JD	78 07 11	1420	216	390	5.53	57.0	28	6
70.0	70.0	35 33.0	123 06.0	JD	78 07 11	1150	214	392	5.45	50.0	18	13
70.0	80.0	35 13.5	123 47.5	JD	78 07 11	0618	214	422	5.08	45.0	18	7
70.0	90.0	34 53.0	124 30.0	JD	78 07 10	2345	213	418	5.10	100.0	83	29
73.0	50.0	35 37.0	121 17.0	JD	78 07 09	1311	79	153	5.19	48.0	19	11
73.0	53.0	35 31.5	121 28.5	JD	78 07 09	1607	213	373	5.72	46.0	37	18
73.0	60.0	35 16.7	122 01.0	JD	78 07 09	2145	215	396	5.43	49.0	18	5
73.0	65.0	35 08.0	122 19.0	JD	78 07 10	0005	215	419	5.13	100.0	43	9
73.0	70.0	34 58.0	122 40.0	JD	78 07 10	0355	214	430	4.96	100.0	33	12
73.0	80.0	34 38.0	123 22.0	JD	78 07 10	1010	216	423	5.09	100.0	44	17
73.0	90.0	34 18.5	124 04.0	JD	78 07 10	1545	213	435	4.89	100.0	31	9
77.0	48.0	35 08.3	120 43.7	JD	78 07 09	0820	21	50	4.21	100.0	5	80
77.0	51.0	35 02.0	120 56.5	JD	78 07 09	0555	212	371	5.70	51.0	14	22
77.0	55.0	34 54.5	121 13.0	JD	78 07 09	0225	214	363	5.90	52.0	22	20
77.0	60.0	34 44.0	121 34.0	JD	78 07 08	2145	207	429	4.81	49.0	32	63
77.0	65.0	34 34.0	121 55.0	JD	78 07 08	1605	215	393	5.46	100.0	13	3
77.0	70.0	34 24.2	122 16.0	JD	78 07 08	1255	217	411	5.28	100.0	24	4
77.0	80.0	34 04.0	122 57.0	JD	78 07 08	0640	214	361	5.93	40.0	10	6

TABLE 1. (cont.)

CalCOFI Cruise 7807

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
77.0	90.0	33	43.0	123	39.0	JD	78	07	08	0010	217	397	5.48	100.0	74	22
80.0	51.0	34	26.0	120	32.5	JD	78	07	06	1225	93	176	5.28	46.0	1	4
80.0	52.0	34	24.0	120	36.7	JD	78	07	06	1410	208	404	5.14	51.0	6	15
80.0	55.0	34	19.0	120	48.0	JD	78	07	06	1750	211	379	5.56	56.0	15	9
80.0	60.0	34	09.0	121	09.0	JD	78	07	06	2250	214	367	5.83	58.0	23	5
80.0	70.0	33	48.5	121	51.0	JD	78	07	07	0500	213	383	5.58	51.0	20	17
80.0	80.0	33	28.7	122	32.0	JD	78	07	07	1040	212	366	5.81	51.0	24	21
80.0	90.0	33	09.0	123	13.0	JD	78	07	07	1755	210	413	5.10	100.0	53	27
82.0	47.0	34	16.5	119	59.0	JD	78	07	06	0850	210	370	5.67	47.0	7	18
83.0	40.6	34	12.5	119	24.2	JD	78	07	06	0155	29	61	4.71	100.0	11	67
83.0	42.0	34	10.0	119	29.5	JD	78	07	06	0340	210	347	6.07	44.0	32	66
83.0	51.0	33	52.0	120	08.5	JD	78	07	05	0527	143	260	5.51	49.0	4	73
83.0	55.0	33	44.0	120	24.5	JD	78	07	05	0150	220	388	5.67	42.0	27	51
83.0	60.0	33	33.7	120	44.8	JD	78	07	04	2145	217	381	5.69	51.0	51	10
83.0	70.0	33	14.5	121	26.0	JD	78	07	04	1536	217	406	5.35	45.0	10	4
83.0	80.0	32	54.0	122	08.0	JD	78	07	04	0930	215	439	4.89	100.0	12	14
83.0	90.0	32	34.5	122	50.0	JD	78	07	04	0330	203	442	4.59	100.0	59	56
87.0	32.5	33	53.5	118	26.5	JD	78	07	01	2210	15	36	4.06	100.0	28	800
87.0	32.7	33	54.5	118	28.0	JD	78	07	01	2305	22	51	4.23	100.0	40	1307
87.0	33.0	33	53.9	118	29.0	JD	78	07	02	0005	41	84	4.89	100.0	21	310
87.0	34.0	33	52.0	118	33.2	JD	78	07	02	0125	65	122	5.35	52.0	17	23
87.0	35.0	33	50.0	118	37.5	JD	78	07	02	0315	212	373	5.70	47.0	20	124
87.0	36.0	33	49.0	118	40.0	JD	78	07	02	0625	215	370	5.80	49.0	27	830
87.0	40.0	33	40.0	118	58.0	JD	78	07	02	1040	213	381	5.59	46.0	10	506
87.0	45.0	33	30.0	119	19.0	JD	78	07	02	1430	216	373	5.78	43.0	7	120
87.0	50.0	33	20.0	119	39.5	JD	78	07	02	1810	62	123	5.01	44.0	10	244
87.0	55.0	33	10.0	120	00.0	JD	78	07	02	2159	205	436	4.69	49.0	22	28
87.0	60.0	33	00.0	120	21.5	JD	78	07	03	0250	212	397	5.35	50.0	34	8
87.0	70.0	32	39.5	121	02.0	JD	78	07	03	0905	219	435	5.03	100.0	11	33
87.0	80.0	32	19.5	121	43.0	JD	78	07	03	1435	216	418	5.17	100.0	6	26
87.0	90.0	31	59.0	122	24.0	JD	78	07	03	2040	217	494	4.39	100.0	72	27
90.0	27.6	33	29.3	117	45.5	JD	78	07	01	1640	29	62	4.69	100.0	10	22
90.0	28.0	33	28.5	117	46.7	JD	78	07	01	1510	213	389	5.47	47.0	5	36
90.0	29.0	33	27.0	117	49.5	JD	78	07	01	1310	210	383	5.48	53.0	10	55
90.0	30.0	33	25.0	117	53.5	JD	78	07	01	1105	213	377	5.64	47.0	13	142
90.0	31.0	33	23.0	117	57.7	JD	78	07	01	0800	212	380	5.59	50.0	30	68
90.0	33.0	33	18.5	118	07.0	JD	78	07	01	0530	208	385	5.41	54.0	42	9
90.0	37.0	33	11.0	118	22.5	JD	78	07	01	0050	215	368	5.83	48.0	19	20
90.0	45.0	32	54.5	118	55.5	JD	78	06	30	1925	208	400	5.22	48.0	11	29
90.0	53.0	32	34.8	119	29.5	JD	78	06	30	1335	217	355	6.13	50.0	22	25
90.0	60.0	32	25.0	119	57.5	JD	78	06	30	0810	212	395	5.37	100.0	32	70
90.0	70.0	32	04.5	120	38.5	JD	78	06	30	0030	209	267	7.83	100.0	85	58
90.0	80.0	31	44.5	121	19.5	JD	78	06	29	1825	213	404	5.28	100.0	58	39
90.0	90.0	31	23.2	122	01.2	JD	78	06	29	1200	213	394	5.40	100.0	108	140
90.0	100.0	31	05.0	122	39.0	JD	78	06	29	0605	209	388	5.37	100.0	196	328

TABLE 1. (cont.)

CalCOFI Cruise 7807

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
90.0	110.0	30	44.3	123	17.2	JD	78	06	28	2355	213	390	5.47	100.0	47	191
90.0	120.0	30	25.1	123	59.9	JD	78	06	28	1800	213	403	5.27	100.0	110	381
90.0	130.0	30	04.3	124	38.7	JD	78	06	28	1217	218	389	5.60	100.0	106	280
90.0	140.0	29	45.1	125	19.6	JD	78	06	28	0545	217	402	5.39	100.0	247	399
90.0	150.0	29	25.1	125	59.2	JD	78	06	28	0005	212	397	5.35	100.0	285	33
90.0	160.0	29	05.1	126	38.7	JD	78	06	27	1840	213	417	5.10	100.0	248	125
90.0	170.0	28	45.8	127	18.0	JD	78	06	27	1210	213	417	5.11	100.0	256	8
90.0	180.0	28	25.1	127	57.5	JD	78	06	27	0630	211	419	5.03	100.0	28	6
90.0	190.0	28	00.5	128	39.8	JD	78	06	26	2320	222	393	5.66	100.0	141	13
90.0	200.0	27	45.1	129	15.5	JD	78	06	26	1745	212	428	4.96	100.0	44	8
93.0	26.7	32	57.2	117	17.4	JD	78	06	20	2120	36	70	5.08	52.0	55	12
93.0	28.0	32	54.7	117	21.8	JD	78	06	21	0115	217	378	5.75	54.0	46	302
93.0	29.0	32	52.7	117	26.6	JD	78	06	21	0425	216	360	5.99	48.0	30	120
93.0	30.0	32	50.5	117	31.0	JD	78	06	21	0755	215	377	5.70	49.0	15	291
93.0	35.0	32	40.5	117	51.5	JD	78	06	21	1220	218	366	5.96	59.0	16	47
93.0	40.0	32	30.0	118	11.5	JD	78	06	22	0015	217	376	5.77	52.0	15	11
93.0	45.0	32	20.0	118	32.0	JD	78	06	22	0410	213	399	5.35	53.0	9	89
93.0	50.0	32	10.0	118	52.5	JD	78	06	22	0940	212	381	5.56	50.0	27	340
93.0	55.0	32	00.0	119	13.5	JD	78	06	22	1340	218	337	6.45	48.0	22	15
93.0	60.0	31	50.0	119	34.0	JD	78	06	22	1945	215	406	5.29	100.0	36	17
93.0	70.0	31	30.0	120	14.0	JD	78	06	23	0115	217	387	5.61	100.0	18	3
93.0	80.0	31	10.0	120	54.5	JD	78	06	23	0800	211	415	5.07	100.0	43	40
93.0	90.0	30	50.0	121	34.5	JD	78	06	23	1450	214	417	5.13	100.0	65	230
93.0	100.0	30	30.0	122	14.0	JD	78	06	23	2040	218	419	5.21	100.0	102	249
93.0	110.0	30	09.5	122	55.0	JD	78	06	24	0300	217	401	5.41	100.0	190	53
93.0	120.0	29	49.0	123	35.0	JD	78	06	24	0950	214	410	5.20	100.0	21	312
93.0	130.0	29	29.0	124	14.0	JD	78	06	24	1521	216	409	5.28	100.0	339	33
93.0	140.0	29	10.6	124	56.3	JD	78	06	24	2200	217	463	4.67	100.0	59	10
93.0	150.0	28	50.4	125	33.6	JD	78	06	25	0500	213	432	4.94	100.0	53	8
93.0	160.0	28	30.4	126	12.8	JD	78	06	25	1110	214	427	5.00	100.0	334	10
93.0	170.0	28	10.4	126	52.0	JD	78	06	25	1720	216	414	5.23	100.0	27	4
93.0	180.0	27	51.0	127	31.0	JD	78	06	26	0010	213	412	5.16	100.0	91	9
93.0	190.0	27	30.4	128	09.9	JD	78	06	26	0555	214	416	5.15	100.0	34	5
93.0	200.0	27	10.4	128	48.7	JD	78	06	26	1135	216	415	5.21	100.0	55	2
93.5	29.0	32	45.8	117	25.8	JD	78	06	20	1755	213	365	5.85	41.0	7	67
97.0	29.0	32	17.5	117	04.7	VA	78	06	22	1600	43	104	4.11	50.0	11	6
97.0	30.0	32	16.0	117	07.0	VA	78	06	22	1720	49	122	3.97	50.0	14	59
97.0	32.0	32	12.0	117	15.2	VA	78	06	22	1855	211	426	4.94	40.0	29	5
97.0	35.0	32	05.5	117	27.5	VA	78	06	22	2221	210	416	5.04	48.0	14	1
97.0	40.0	31	56.0	117	48.0	VA	78	06	23	0255	212	387	5.48	44.0	13	20
97.0	45.0	31	46.0	118	08.5	VA	78	06	23	0555	216	364	5.94	48.0	35	14
97.0	50.0	31	36.0	118	30.5	VA	78	06	23	1000	214	379	5.65	46.0	22	12
97.0	55.0	31	25.5	118	49.5	VA	78	06	23	1315	208	369	5.65	50.0	36	6
97.0	60.0	31	15.5	119	10.0	VA	78	06	23	1848	209	479	4.36	48.0	13	24
97.0	70.0	30	55.0	119	50.5	VA	78	06	24	0100	209	434	4.83	100.0	10	2

TABLE 1. (cont.)

CalCOFI Cruise 7807

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
100.0	29.0	31	42.2	116	43.4	VA	78	06	27	1400	78	146	5.33	48.0	0	6
100.0	30.0	31	40.5	116	46.5	VA	78	06	27	1251	85	150	5.68	48.0	1	10
100.0	35.0	31	30.5	117	07.0	VA	78	06	27	0815	214	366	5.85	52.0	15	7
100.0	40.0	31	21.0	117	27.0	VA	78	06	27	0300	212	369	5.74	43.0	5	3
100.0	45.0	31	10.5	117	46.5	VA	78	06	26	2140	213	423	5.04	52.0	6	22
103.0	29.0	31	07.0	116	21.0	VA	78	06	27	1910	15	37	4.00	52.0	0	44
103.0	30.0	31	06.0	116	24.5	VA	78	06	27	2020	57	115	4.92	54.0	3	3
103.0	35.0	30	56.0	116	45.0	VA	78	06	28	0005	208	377	5.50	52.0	5	1
103.0	40.0	30	46.0	117	04.4	VA	78	06	28	0445	215	355	6.07	45.0	12	4
103.0	45.0	30	36.0	117	24.0	VA	78	06	28	0912	215	360	5.98	58.0	7	3
103.0	50.0	30	26.0	117	44.5	VA	78	06	28	1250	215	356	6.04	52.0	20	59
103.0	60.0	30	06.0	118	25.0	VA	78	06	28	1930	215	379	5.67	100.0	71	35
103.0	70.0	29	46.4	119	04.8	VA	78	06	29	0100	213	374	5.69	100.0	51	120
103.0	80.0	29	26.2	119	43.0	VA	78	06	29	0647	213	390	5.46	51.0	28	73
103.0	90.0	29	06.0	120	23.5	VA	78	06	29	1220	215	388	5.53	100.0	103	146
107.0	31.0	30	27.8	116	07.0	VA	78	07	01	1200	29	29	9.81	49.0	0	0
107.0	32.0	30	25.8	116	11.0	VA	78	07	01	1010	215	368	5.85	54.0	0	2
107.0	35.0	30	21.5	116	22.5	VA	78	07	01	0640	213	411	5.18	47.0	2	1
107.0	50.0	29	50.5	117	22.0	VA	78	06	30	1745	207	437	4.75	51.0	9	10
107.0	60.0	29	32.0	118	01.5	VA	78	06	30	1200	210	410	5.12	100.0	25	76
107.0	70.0	29	11.0	118	41.0	VA	78	06	30	0535	212	400	5.30	100.0	263	1446
107.0	80.0	28	51.5	119	20.0	VA	78	06	29	2350	210	411	5.10	100.0	202	291
107.0	90.0	28	32.0	119	59.0	VA	78	06	29	1735	212	395	5.38	100.0	196	305
110.0	32.4	29	51.1	115	49.7	VA	78	07	01	1650	43	89	4.84	49.0	4	184
110.0	35.0	29	45.9	116	00.0	VA	78	07	01	1909	205	415	4.94	100.0	5	4
110.0	40.0	29	36.5	116	19.5	VA	78	07	01	2255	212	404	5.26	100.0	8	5
110.0	50.0	29	16.5	116	59.0	VA	78	07	02	0515	204	407	5.02	51.0	4	15
113.0	29.0	29	24.5	115	13.5	VA	78	07	05	0115	21	54	3.90	100.0	6	114
113.0	30.0	29	22.0	115	18.0	VA	78	07	04	2350	70	156	4.51	100.0	4	14
113.0	40.0	29	02.0	115	56.9	VA	78	07	04	1745	213	383	5.55	100.0	5	15
113.0	45.0	28	52.0	116	18.0	VA	78	07	04	1410	209	401	5.22	100.0	26	9
113.0	50.0	28	41.5	116	36.5	VA	78	07	04	1120	217	395	5.49	100.0	13	25
113.0	60.0	28	22.0	117	15.9	VA	78	07	04	0520	213	411	5.19	100.0	33	135
113.0	90.0	27	22.0	119	12.0	VA	78	07	03	1005	214	420	5.11	100.0	37	99
117.0	25.0	28	54.0	114	37.0	VA	78	07	08	2155	44	89	4.86	50.0	17	22
117.0	26.0	28	56.0	114	41.5	VA	78	07	08	2250	63	128	4.91	50.0	2	121
117.0	30.0	28	48.0	114	56.5	VA	78	07	09	1725	92	183	5.01	100.0	15	4
117.0	35.0	28	38.0	115	16.0	VA	78	07	09	2046	187	291	6.44	47.0	4	9
117.0	40.0	28	28.0	115	35.5	VA	78	07	10	0255	214	337	6.34	49.0	8	3
117.0	45.0	28	18.0	115	56.0	VA	78	07	10	0555	216	355	6.09	100.0	78	24
117.0	50.0	28	08.0	116	15.0	VA	78	07	10	0910	214	365	5.87	54.0	8	11
117.0	60.0	27	48.0	116	53.0	VA	78	07	10	1510	212	377	5.62	100.0	33	35
117.0	70.0	27	27.5	117	32.5	VA	78	07	10	2040	215	363	5.92	100.0	145	195
117.0	80.0	27	07.9	118	10.5	VA	78	07	11	0210	215	380	5.65	100.0	74	41
118.0	39.0	28	18.5	115	23.7	VA	78	07	09	2355	213	360	5.91	47.0	3	10

TABLE 1. (cont.)

CalCOFI Cruise 7807

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
119.0	33.0	28	19.0	114	53.0	VA	78	07	09	1315	91	170	5.36	100.0	69	436
120.0	24.0	28	25.9	114	10.7	VA	78	07	09	0350	21	50	4.32	100.0	287	306
120.0	25.0	28	22.5	114	15.0	VA	78	07	09	0510	43	93	4.67	100.0	10	101
120.0	30.0	28	13.0	114	34.0	VA	78	07	09	0750	85	141	6.06	100.0	102	609
120.0	35.0	28	03.0	114	54.0	VA	78	07	09	1045	78	141	5.56	100.0	151	111
120.0	40.0	27	56.5	115	14.0	VA	78	07	12	0940	36	72	5.02	100.0	66	65
120.0	45.0	27	43.0	115	33.0	VA	78	07	12	0550	207	376	5.50	100.0	11	83
120.0	50.0	27	33.0	115	52.5	VA	78	07	12	0125	210	388	5.40	55.0	27	8
120.0	60.0	27	13.0	116	30.5	VA	78	07	11	1935	213	378	5.63	100.0	37	11
120.0	70.0	26	53.0	117	10.0	VA	78	07	11	1335	214	381	5.62	100.0	151	28
120.0	80.0	26	32.5	117	49.0	VA	78	07	11	0745	215	376	5.72	100.0	130	128
123.0	36.0	27	26.2	114	36.0	VA	78	07	12	1525	48	102	4.73	100.0	14	69
123.0	37.0	27	24.0	114	40.0	VA	78	07	12	1625	49	92	5.34	100.0	1	83
123.0	50.0	26	58.0	115	31.0	VA	78	07	13	0025	210	379	5.55	100.0	7	17
123.0	60.0	26	38.5	116	09.0	VA	78	07	13	0605	212	350	6.05	100.0	16	19
127.0	33.0	26	57.5	114	02.2	VA	78	07	14	0331	57	108	5.28	100.0	1	67
127.0	34.0	26	55.0	114	06.5	VA	78	07	14	0234	71	147	4.82	100.0	3	142
127.0	40.0	26	43.5	114	29.0	VA	78	07	13	2250	212	402	5.28	47.0	36	36
127.0	45.0	26	33.0	114	48.5	VA	78	07	13	2000	219	323	6.76	100.0	70	40
127.0	50.0	26	23.0	115	08.0	VA	78	07	13	1720	218	326	6.68	100.0	60	28
127.0	60.0	26	03.5	115	46.5	VA	78	07	13	1137	212	362	5.86	100.0	142	30
130.0	28.0	26	33.0	113	21.0	VA	78	07	14	0930	43	82	5.25	53.0	12	20
130.0	30.0	26	29.0	113	29.0	VA	78	07	14	1135	72	128	5.64	48.0	2	6
130.0	35.0	26	19.0	113	48.0	VA	78	07	14	1415	209	368	5.67	100.0	74	3
130.0	50.0	25	49.0	114	45.0	VA	78	07	14	2258	211	363	5.82	100.0	178	21
130.0	60.0	25	29.0	115	24.0	VA	78	07	15	0510	214	353	6.05	100.0	86	11
133.0	23.0	26	08.5	112	40.2	VA	78	07	16	0839	57	103	5.50	100.0	122	71
133.0	25.0	26	04.5	112	48.0	VA	78	07	16	0724	63	115	5.47	100.0	10	1
133.0	30.0	25	54.5	113	07.5	VA	78	07	16	0430	164	256	6.40	100.0	141	3
133.0	35.0	25	44.5	113	26.5	VA	78	07	16	0105	217	365	5.94	100.0	144	125
133.0	40.0	25	34.5	113	45.5	VA	78	07	15	2235	212	344	6.16	100.0	256	39
133.0	50.0	25	14.5	114	24.0	VA	78	07	15	1715	215	364	5.90	100.0	64	36
133.0	60.0	24	54.5	115	02.0	VA	78	07	15	1055	212	353	6.01	100.0	34	11
137.0	22.0	25	36.1	112	14.8	VA	78	07	16	1320	50	93	5.36	100.0	109	341
137.0	23.0	25	34.0	112	19.0	VA	78	07	16	1415	63	112	5.62	100.0	2	108
137.0	30.0	25	20.0	112	46.0	VA	78	07	16	1905	212	376	5.64	100.0	63	0
137.0	35.0	25	10.0	113	04.5	VA	78	07	16	2130	211	385	5.48	100.0	156	12
137.0	40.0	25	00.0	113	23.5	VA	78	07	17	0110	212	372	5.71	100.0	172	26
137.0	50.0	24	40.0	114	02.0	VA	78	07	17	0635	212	380	5.58	100.0	215	57
137.0	60.0	24	20.0	114	39.5	VA	78	07	17	1210	212	359	5.91	100.0	40	12

TABLE 1. (cont.)

CalCOFI Cruise 7808

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	50.0	37	57.5	122	53.1	JD	78	08	25	0515	35	73	4.76	100.0	8	160
60.0	52.5	37	52.5	123	03.5	JD	78	08	25	0645	77	138	5.61	52.0	5	116
60.0	55.0	37	47.0	123	15.0	JD	78	08	25	0920	94	172	5.48	42.0	15	14
60.0	60.0	37	37.0	123	37.0	JD	78	08	25	1355	213	390	5.45	49.0	8	0
60.0	65.0	37	28.0	123	58.5	JD	78	08	25	1705	213	397	5.37	50.0	14	0
60.0	70.0	37	17.0	124	21.0	JD	78	08	25	2120	216	379	5.68	49.0	17	3
60.0	80.0	36	56.6	125	04.0	JD	78	08	26	0245	211	378	5.58	51.0	22	6
60.0	90.0	36	37.0	125	47.0	JD	78	08	26	1000	218	384	5.68	100.0	19	9
63.0	50.0	37	23.3	122	27.8	JD	78	08	25	0045	22	59	3.68	47.0	0	74
63.0	52.0	37	19.0	122	36.0	JD	78	08	24	2325	79	140	5.61	51.0	19	294
63.0	55.0	37	13.0	122	50.0	JD	78	08	24	2030	214	384	5.58	54.0	10	96
63.0	60.0	37	03.1	123	11.8	JD	78	08	24	1635	215	378	5.69	52.0	17	127
63.0	65.0	36	53.0	123	33.0	JD	78	08	24	1135	211	388	5.43	49.0	6	1
63.0	70.0	36	42.5	123	55.0	JD	78	08	24	0845	216	383	5.64	50.0	4	6
63.0	90.0	36	02.5	125	20.2	JD	78	08	26	1615	215	385	5.60	100.0	21	39
66.0	49.0	36	53.0	122	01.7	JD	78	08	23	0805	36	69	5.16	53.0	3	159
67.0	50.0	36	48.0	122	05.0	JD	78	08	23	1010	212	379	5.59	50.0	20	99
67.0	55.0	36	39.5	122	27.0	JD	78	08	23	1350	211	392	5.38	52.0	20	9
67.0	60.0	36	28.0	122	50.2	JD	78	08	23	1815	209	404	5.17	52.0	7	4
67.0	65.0	36	20.3	123	06.5	JD	78	08	23	2030	216	369	5.86	50.0	13	1
67.0	70.0	36	08.4	123	27.8	JD	78	08	24	0035	211	384	5.49	50.0	13	7
67.0	90.0	35	28.0	124	55.0	JD	78	08	26	2220	215	388	5.54	100.0	41	10
70.0	51.0	36	11.3	121	43.9	JD	78	08	21	1425	77	150	5.15	50.0	2	41
70.0	53.0	36	06.5	121	54.1	JD	78	08	21	1225	217	353	6.14	53.0	4	8
70.0	60.0	35	53.3	122	22.6	JD	78	08	21	0750	209	400	5.23	50.0	6	3
70.0	65.0	35	43.0	122	45.0	JD	78	08	21	0230	213	380	5.62	47.0	8	2
70.0	70.0	35	33.0	123	05.9	JD	78	08	21	0000	214	376	5.70	51.0	15	6
70.0	80.0	35	13.5	123	45.4	JD	78	08	20	1835	213	396	5.38	49.0	15	5
70.0	90.0	34	53.1	124	29.7	JD	78	08	20	1210	211	398	5.30	100.0	64	33
73.0	50.0	35	37.0	121	17.0	JD	78	08	19	0235	85	160	5.32	53.0	2	56
73.0	53.0	35	32.0	121	28.3	JD	78	08	19	0545	214	382	5.60	50.0	4	5
73.0	60.0	35	17.6	121	57.8	JD	78	08	19	1110	210	394	5.32	55.0	11	11
73.0	65.0	35	08.0	122	19.0	JD	78	08	19	1345	215	406	5.29	51.0	8	5
73.0	70.0	34	57.0	122	40.8	JD	78	08	19	1800	215	385	5.58	100.0	30	12
73.0	80.0	34	38.1	123	22.1	JD	78	08	20	0000	213	396	5.39	49.0	9	1
73.0	90.0	34	20.0	124	01.4	JD	78	08	20	0520	215	391	5.50	100.0	20	4
77.0	51.0	35	02.0	120	56.8	JD	78	08	18	2130	208	387	5.37	51.0	16	0
77.0	55.0	34	54.5	121	13.0	JD	78	08	18	1745	213	387	5.50	57.0	1	9
77.0	60.0	34	44.0	121	34.0	JD	78	08	18	1300	217	395	5.49	48.0	6	2
77.0	65.0	34	34.0	121	55.5	JD	78	08	18	0735	210	394	5.33	51.0	6	5
77.0	70.0	34	24.2	122	16.0	JD	78	08	18	0400	210	378	5.57	51.0	10	4
77.0	80.0	34	03.6	122	57.8	JD	78	08	17	2115	212	397	5.34	51.0	12	4
77.0	90.0	33	43.0	123	39.0	JD	78	08	17	1320	215	400	5.38	100.0	13	5
80.0	51.0	34	26.0	120	32.5	JD	78	08	16	0125	138	255	5.42	53.0	4	19
80.0	52.0	34	24.8	120	35.8	JD	78	08	16	0325	221	387	5.72	51.0	5	7

TABLE 1. (cont.)

CalCOFI Cruise 7808

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	55.0	34	19.0	120	48.0	JD	78	08	16	0715	209	384	5.45	50.0	6	1
80.0	60.0	34	09.0	121	09.0	JD	78	08	16	1220	214	389	5.51	51.0	6	0
80.0	70.0	33	48.5	121	51.0	JD	78	08	16	1820	212	385	5.51	51.0	3	2
80.0	80.0	33	28.7	122	32.0	JD	78	08	17	0000	213	373	5.71	49.0	8	2
80.0	90.0	33	09.0	123	13.0	JD	78	08	17	0645	212	373	5.69	100.0	9	4
82.0	47.0	34	16.5	119	59.0	JD	78	08	15	0925	212	373	5.67	48.0	24	29
83.0	40.6	34	13.0	119	24.0	JD	78	08	15	0435	27	62	4.39	100.0	63	515
83.0	42.0	34	10.0	119	29.5	JD	78	08	15	0225	171	292	5.87	48.0	53	435
83.0	51.0	33	52.0	120	08.5	JD	78	08	14	1920	211	401	5.25	51.0	29	34
83.0	55.0	33	44.0	120	24.5	JD	78	08	14	1550	211	390	5.42	50.0	5	0
83.0	60.0	33	34.0	120	45.0	JD	78	08	14	1130	211	383	5.51	42.0	10	2
83.0	70.0	33	14.5	121	26.0	JD	78	08	14	0410	215	394	5.46	52.0	11	5
83.0	80.0	32	53.3	122	07.8	JD	78	08	13	2120	212	361	5.89	100.0	21	9
83.0	90.0	32	34.5	122	50.0	JD	78	08	13	1435	220	381	5.78	100.0	281	338
87.0	32.5	33	53.5	118	26.5	JD	78	08	11	0840	21	42	4.96	100.0	11	416
87.0	32.7	33	54.5	118	28.0	JD	78	08	11	1000	28	58	4.73	100.0	43	224
87.0	33.0	33	53.9	118	29.0	JD	78	08	11	1110	42	81	5.22	55.0	7	104
87.0	34.0	33	52.0	118	33.2	JD	78	08	11	1232	64	118	5.43	53.0	18	74
87.0	35.0	33	50.0	118	37.5	JD	78	08	11	1435	213	368	5.77	50.0	97	37
87.0	36.0	33	49.0	118	40.0	JD	78	08	11	1700	213	362	5.89	100.0	1	39
87.0	40.0	33	40.0	118	58.0	JD	78	08	11	2140	211	382	5.52	49.0	10	13
87.0	45.0	33	30.0	119	19.0	JD	78	08	12	0205	211	372	5.67	42.0	6	32
87.0	50.0	33	20.0	119	39.5	JD	78	08	12	0620	57	115	4.94	100.0	6	30
87.0	55.0	33	10.0	120	00.0	JD	78	08	12	0945	210	372	5.65	42.0	0	1
87.0	60.0	33	00.0	120	21.5	JD	78	08	12	1445	212	402	5.27	49.0	16	4
87.0	70.0	32	39.6	121	02.0	JD	78	08	12	2025	211	392	5.39	100.0	112	33
87.0	80.0	32	19.5	121	43.0	JD	78	08	13	0205	215	387	5.55	100.0	57	47
87.0	90.0	31	59.0	122	24.0	JD	78	08	13	0830	213	388	5.48	100.0	48	127
89.7	41.5	33	03.0	118	48.0	JD	78	08	09	1045	213	364	5.84	47.0	1	0
90.0	27.6	33	29.3	117	45.5	JD	78	08	10	0745	27	63	4.30	49.0	17	135
90.0	28.0	33	28.5	117	47.0	JD	78	08	10	0605	211	364	5.81	52.0	14	105
90.0	29.0	33	27.0	117	49.5	JD	78	08	10	0315	209	380	5.50	50.0	13	286
90.0	30.0	33	25.0	117	53.5	JD	78	08	10	0135	217	364	5.96	50.0	13	17
90.0	31.0	33	23.0	117	57.7	JD	78	08	09	2235	210	376	5.59	51.0	12	31
90.0	33.0	33	18.5	118	07.0	JD	78	08	09	1945	212	367	5.77	48.0	11	0
90.0	37.0	33	11.0	118	22.5	JD	78	08	09	1530	216	378	5.70	56.0	1	6
90.0	53.0	32	39.0	119	28.5	JD	78	08	09	0305	214	367	5.82	49.0	5	1
90.0	60.0	32	22.5	119	58.0	JD	78	08	08	2130	213	371	5.74	100.0	15	3
90.0	70.0	32	04.5	120	38.5	JD	78	08	08	1410	220	387	5.67	100.0	30	3
90.0	80.0	31	44.4	121	20.8	JD	78	08	08	0810	211	393	5.37	100.0	24	11
90.0	90.0	31	24.0	122	01.0	JD	78	08	08	0150	215	391	5.51	100.0	82	58
90.0	100.0	31	05.0	122	39.0	JD	78	08	07	1920	209	405	5.15	100.0	322	128
90.0	110.0	30	45.1	123	19.9	JD	78	08	07	1335	212	403	5.25	100.0	273	16
90.0	120.0	30	25.0	124	00.0	JD	78	08	07	0745	213	399	5.33	100.0	509	36
90.0	130.0	30	05.1	124	39.8	JD	78	08	07	0140	214	395	5.42	100.0	535	37

TABLE 1. (cont.)

CalCOFI Cruise 7808

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
90.0	140.0	29	45.0	125	19.6	JD	78	08	06	1945	211	395	5.34	100.0	587	30
90.0	150.0	29	25.1	125	59.2	JD	78	08	06	1305	216	411	5.26	100.0	261	4
90.0	160.0	29	05.0	126	39.6	JD	78	08	06	0730	211	409	5.16	100.0	210	16
90.0	180.0	28	25.1	127	57.3	JD	78	08	05	2155	212	392	5.41	100.0	125	18
93.0	26.7	32	57.2	117	17.8	JD	78	07	31	2055	35	73	4.86	50.0	18	22
93.0	26.9	32	56.8	117	18.3	JD	78	07	31	2240	63	125	5.03	53.0	3	3
93.0	28.0	32	54.7	117	21.8	JD	78	08	01	0135	207	371	5.58	48.0	1	12
93.0	29.0	32	52.7	117	26.6	JD	78	08	01	0515	214	372	5.75	48.0	5	3
93.0	30.0	32	50.5	117	31.0	JD	78	08	01	0855	211	371	5.68	50.0	2	0
93.0	35.0	32	40.5	117	51.5	JD	78	08	01	1230	218	379	5.77	100.0	2	3
93.0	40.0	32	30.0	118	11.5	JD	78	08	01	1825	216	381	5.67	43.0	2	34
93.0	45.0	32	20.0	118	32.0	JD	78	08	01	2220	210	387	5.43	51.0	10	9
93.0	50.0	32	10.0	118	52.5	JD	78	08	02	0435	213	384	5.56	47.0	4	1
93.0	55.0	32	00.8	119	13.2	JD	78	08	02	0820	210	362	5.80	51.0	3	6
93.0	60.0	31	50.0	119	34.0	JD	78	08	02	1550	206	396	5.19	100.0	17	10
93.0	70.0	31	30.0	120	14.0	JD	78	08	02	2340	212	395	5.37	100.0	20	4
93.0	80.0	31	04.0	120	54.5	JD	78	08	03	0615	216	363	5.95	100.0	86	15
93.0	90.0	30	50.0	121	34.5	JD	78	08	03	1240	214	393	5.43	100.0	248	115
93.0	100.0	30	30.0	122	14.0	JD	78	08	03	1827	214	384	5.56	100.0	156	76
93.0	110.0	30	09.5	122	55.0	JD	78	08	04	0130	209	385	5.44	100.0	325	10
93.0	120.0	29	49.0	123	35.0	JD	78	08	04	0815	212	398	5.33	100.0	266	50
93.0	130.0	29	29.0	124	14.0	JD	78	08	04	1440	214	386	5.53	100.0	396	48
93.0	140.0	29	08.2	124	53.4	JD	78	08	04	2050	212	394	5.38	100.0	488	10
93.0	150.0	28	50.4	125	33.6	JD	78	08	05	0155	218	402	5.44	100.0	259	14
93.0	160.0	28	32.6	126	14.8	JD	78	08	05	0655	214	405	5.27	100.0	75	14
93.0	180.0	27	50.4	127	31.0	JD	78	08	05	1630	217	389	5.58	100.0	28	17
93.5	29.0	32	47.5	117	23.5	JD	78	07	31	1735	136	243	5.61	55.0	1	18
97.0	29.0	32	17.5	117	04.7	VA	78	08	01	2245	43	82	5.24	52.0	7	176
97.0	30.0	32	16.0	117	07.0	VA	78	08	02	0020	50	106	4.69	47.0	0	650
97.0	32.0	32	12.0	117	15.2	VA	78	08	02	0207	215	361	5.95	100.0	6	6
97.0	35.0	32	05.5	117	27.5	VA	78	08	02	0550	211	341	6.20	100.0	1	8
97.0	40.0	31	56.0	117	48.0	VA	78	08	02	0945	215	351	6.11	49.0	2	1
97.0	45.0	31	46.0	118	08.5	VA	78	08	02	1250	209	345	6.05	53.0	1	7
97.0	50.0	31	36.0	118	30.5	VA	78	08	02	1650	213	363	5.86	48.0	1	1
97.0	55.0	31	25.5	118	49.5	VA	78	08	02	1940	214	356	6.02	52.0	2	10
97.0	60.0	31	15.5	119	10.0	VA	78	08	03	0120	218	360	6.06	51.0	8	4
97.0	70.0	30	55.0	119	50.5	VA	78	08	03	0725	215	366	5.89	100.0	6	19
97.0	80.0	30	35.0	120	31.0	VA	78	08	03	1345	220	355	6.18	100.0	181	132
97.0	90.0	30	15.5	121	10.5	VA	78	08	03	1925	211	361	5.84	100.0	275	131
97.0	100.0	29	55.0	121	50.0	VA	78	08	04	0100	215	371	5.79	100.0	461	102
100.0	29.0	31	42.2	116	43.4	VA	78	08	06	0520	153	256	5.96	51.0	3	18
100.0	30.0	31	40.5	116	46.5	VA	78	08	06	0355	210	344	6.12	46.0	5	2
100.0	35.0	31	30.5	117	07.0	VA	78	08	05	2340	216	331	6.51	47.0	2	12
100.0	40.0	31	21.0	117	27.0	VA	78	08	05	2000	210	364	5.78	51.0	4	3
100.0	45.0	31	10.5	117	46.5	VA	78	08	05	1605	211	374	5.65	45.0	5	2

TABLE 1. (cont.)

CalCOFI Cruise 7808

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
100.0	50.0	31	00.5	118	07.0	VA	78	08	05	1300	217	344	6.30	56.0	9	5
100.0	60.0	30	40.5	118	47.5	VA	78	08	05	0710	214	344	6.21	100.0	44	6
100.0	70.0	30	20.5	119	27.5	VA	78	08	05	0035	216	358	6.05	100.0	336	36
100.0	80.0	30	01.0	120	07.0	VA	78	08	04	1830	208	373	5.58	100.0	15	26
100.0	90.0	29	40.5	120	47.0	VA	78	08	04	1240	221	328	6.74	100.0	194	222
100.0	100.0	29	20.0	121	26.5	VA	78	08	04	0630	211	364	5.78	100.0	272	4
103.0	29.0	31	07.0	116	21.0	VA	78	08	06	1145	16	27	6.06	100.0	9	404
103.0	30.0	31	06.0	116	24.5	VA	78	08	06	1340	45	77	5.85	51.0	16	38
103.0	35.0	30	56.0	116	45.0	VA	78	08	06	1720	204	359	5.69	37.0	1	4
103.0	40.0	30	46.0	117	04.5	VA	78	08	06	2100	212	367	5.77	42.0	4	0
103.0	45.0	30	36.0	117	24.0	VA	78	08	06	2355	219	351	6.24	48.0	5	9
103.0	50.0	30	26.0	117	44.5	VA	78	08	07	0335	214	343	6.25	51.0	3	0
103.0	60.0	30	06.0	118	25.0	VA	78	08	07	0950	214	357	6.01	100.0	72	8
103.0	70.0	29	46.2	119	04.8	VA	78	08	07	1520	207	355	5.85	100.0	59	29
103.0	80.0	29	26.5	119	43.0	VA	78	08	07	2055	209	339	6.15	100.0	142	22
103.0	90.0	29	06.0	120	23.5	VA	78	08	08	0250	217	343	6.32	100.0	403	23
107.0	31.0	30	27.8	116	07.0	VA	78	08	09	2115	37	60	6.20	47.0	29	48
107.0	32.0	30	25.8	116	11.0	VA	78	08	09	1955	210	346	6.07	52.0	49	144
107.0	35.0	30	21.5	116	22.5	VA	78	08	09	1745	205	353	5.81	56.0	9	4
107.0	40.0	30	11.0	116	42.0	VA	78	08	09	1405	216	320	6.76	100.0	15	10
107.0	45.0	30	01.5	117	02.0	VA	78	08	09	1050	217	328	6.62	52.0	10	16
107.0	50.0	29	50.5	117	22.0	VA	78	08	09	0805	209	353	5.93	54.0	2	9
107.0	60.0	29	32.0	118	01.5	VA	78	08	09	0225	214	353	6.07	100.0	72	22
107.0	70.0	29	09.6	118	37.7	VA	78	08	08	2030	212	351	6.04	100.0	308	12
107.0	80.0	28	51.5	119	20.0	VA	78	08	08	1445	205	353	5.82	100.0	87	45
107.0	90.0	28	32.0	119	59.0	VA	78	08	08	0825	210	368	5.72	100.0	79	18
110.0	32.4	29	51.2	115	49.7	VA	78	08	10	0210	35	78	4.48	50.0	28	159
110.0	35.0	29	46.0	116	00.0	VA	78	08	10	0515	206	349	5.89	51.0	2	3
110.0	40.0	29	36.5	116	19.5	VA	78	08	10	0850	213	323	6.60	51.0	17	7
110.0	45.0	29	26.5	116	39.5	VA	78	08	10	1145	216	326	6.64	100.0	74	11
110.0	50.0	29	16.5	116	59.0	VA	78	08	10	1530	216	346	6.24	100.0	10	10
110.0	60.0	28	56.5	117	39.0	VA	78	08	10	2315	209	426	4.92	51.0	183	25
110.0	70.0	28	36.5	118	18.0	VA	78	08	11	0440	209	355	5.88	100.0	231	83
110.0	80.0	28	16.5	118	57.5	VA	78	08	11	1000	212	375	5.65	100.0	70	26
110.0	90.0	27	56.5	119	35.0	VA	78	08	11	1520	208	359	5.79	100.0	106	74
113.0	29.0	29	24.5	115	13.5	VA	78	08	13	0950	20	43	4.71	100.0	57	475
113.0	30.0	29	22.0	115	18.0	VA	78	08	13	0910	48	93	5.14	100.0	11	232
113.0	35.0	29	11.5	115	38.0	VA	78	08	13	0620	212	362	5.85	100.0	89	29
113.0	40.0	29	02.0	115	57.0	VA	78	08	13	0240	203	360	5.65	100.0	44	4
113.0	45.0	28	52.0	116	18.0	VA	78	08	12	2250	209	351	5.94	100.0	26	8
113.0	50.0	28	41.5	116	36.5	VA	78	08	12	2000	211	349	6.05	49.0	18	8
113.0	60.0	28	22.0	117	16.0	VA	78	08	12	1415	212	336	6.30	100.0	15	65
113.0	70.0	28	02.0	117	55.0	VA	78	08	12	0810	208	345	6.03	100.0	21	34
113.0	80.0	27	42.0	118	33.5	VA	78	08	12	0235	216	375	5.78	100.0	156	191
113.0	90.0	27	22.0	119	12.0	VA	78	08	11	2045	211	357	5.92	100.0	248	240

TABLE 1. (cont.)

CalCOFI Cruise 7808

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
117.0	25.0	28	58.0	114	37.0	VA	78	08	17	0300	52	91	5.70	100.0	46	191
117.0	26.0	28	56.0	114	41.5	VA	78	08	17	0355	54	111	4.89	100.0	12	26
117.0	30.0	28	48.0	114	56.5	VA	78	08	18	0000	94	184	5.10	100.0	8	39
117.0	35.0	28	38.0	115	16.0	VA	78	08	18	0310	157	307	5.13	50.0	12	20
117.0	40.0	28	28.0	115	35.5	VA	78	08	18	0910	214	364	5.89	100.0	17	16
117.0	45.0	28	18.0	115	56.0	VA	78	08	18	1205	217	407	5.35	100.0	87	22
117.0	50.0	28	08.0	116	15.0	VA	78	08	18	1530	220	352	6.25	100.0	84	20
117.0	60.0	27	48.0	116	53.0	VA	78	08	18	2140	214	374	5.72	100.0	66	29
117.0	70.0	27	27.5	117	32.5	VA	78	08	19	0310	212	359	5.90	100.0	247	101
117.0	80.0	27	08.0	118	10.5	VA	78	08	19	0850	216	344	6.28	100.0	73	24
118.0	39.0	28	18.5	115	23.7	VA	78	08	18	0605	216	349	6.20	100.0	22	33
119.0	33.0	28	19.0	114	53.0	VA	78	08	17	1935	67	137	4.91	100.0	19	117
120.0	24.0	28	25.0	114	10.7	VA	78	08	17	0850	22	46	4.75	100.0	1033	255
120.0	25.0	28	22.5	114	15.0	VA	78	08	17	1005	44	82	5.42	100.0	813	175
120.0	30.0	28	13.0	114	34.0	VA	78	08	17	1320	74	145	5.15	100.0	127	4767
120.0	35.0	28	03.0	114	54.0	VA	78	08	17	1620	69	122	5.68	100.0	10	107
120.0	40.0	27	56.5	115	14.0	VA	78	08	20	1530	33	72	4.62	100.0	39	308
120.0	45.0	27	43.0	115	33.0	VA	78	08	20	1220	206	370	5.55	100.0	44	56
120.0	50.0	27	33.0	115	52.5	VA	78	08	20	0845	215	351	6.11	100.0	60	8
120.0	60.0	27	13.0	116	30.5	VA	78	08	20	0235	218	368	5.93	100.0	81	26
120.0	70.0	26	53.0	117	10.0	VA	78	08	19	2030	217	336	6.45	100.0	151	35
120.0	80.0	26	32.5	117	49.0	VA	78	08	19	1425	216	385	5.62	100.0	91	16
123.0	36.0	27	26.2	114	36.0	VA	78	08	20	2100	35	75	4.69	100.0	13	218
123.0	37.0	27	24.0	114	40.0	VA	78	08	20	2205	58	101	5.77	100.0	4	78
123.0	42.0	27	14.0	114	59.0	VA	78	08	21	0105	211	378	5.57	100.0	260	16
123.0	45.0	27	08.0	115	11.5	VA	78	08	21	0315	215	356	6.04	100.0	465	16
123.0	50.0	26	58.0	115	31.0	VA	78	08	21	0630	217	349	6.21	100.0	54	32
123.0	60.0	26	38.5	116	09.0	VA	78	08	21	1215	219	338	6.48	100.0	5	91
127.0	33.0	26	57.5	114	02.2	VA	78	08	22	1215	21	53	4.05	100.0	243	328
127.0	34.0	26	55.0	114	06.5	VA	78	08	22	1105	71	129	5.52	100.0	5	202
127.0	40.0	26	43.5	114	29.0	VA	78	08	22	0725	213	367	5.81	100.0	19	7
127.0	45.0	26	33.0	114	48.5	VA	78	08	22	0300	205	392	5.25	100.0	250	42
127.0	50.0	26	23.0	115	08.0	VA	78	08	22	0005	212	377	5.63	100.0	59	24
127.0	60.0	26	03.5	115	46.5	VA	78	08	21	1820	215	346	6.20	100.0	74	53
130.0	28.0	26	33.0	113	21.0	VA	78	08	22	1740	42	89	4.73	100.0	50	308
130.0	30.0	26	29.0	113	29.0	VA	78	08	22	1935	63	117	5.40	100.0	2	4
130.0	35.0	26	19.0	113	48.0	VA	78	08	22	2210	204	372	5.48	100.0	103	46
130.0	40.0	26	09.0	114	07.0	VA	78	08	23	0210	218	341	6.39	100.0	151	9
130.0	50.0	25	49.0	114	45.0	VA	78	08	23	0730	213	354	6.01	100.0	33	42
130.0	60.0	25	29.0	115	24.0	VA	78	08	23	1405	216	369	5.84	100.0	62	18
133.0	23.0	26	08.5	112	40.2	VA	78	08	24	1850	58	95	6.07	100.0	402	84
133.0	25.0	26	04.5	112	48.0	VA	78	08	24	1725	70	135	5.22	100.0	28	162
133.0	30.0	25	54.5	113	07.5	VA	78	08	24	1440	176	336	5.24	100.0	48	15
133.0	35.0	25	44.5	113	26.5	VA	78	08	24	1115	219	382	5.72	100.0	25	62
133.0	40.0	25	34.5	113	45.5	VA	78	08	24	0700	215	365	5.88	100.0	12	80

TABLE 1. (cont.)

CalCOFI Cruise 7808

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
133.0	50.0	25	14.5	114	24.0	VA	78	08	24	0125	217	364	5.98	100.0	25	38
133.0	60.0	24	54.5	115	02.0	VA	78	08	23	1925	214	360	5.93	100.0	102	23
137.0	30.0	25	20.0	112	46.0	VA	78	08	25	0440	211	360	5.87	100.0	3	246
137.0	35.0	25	10.0	113	04.5	VA	78	08	25	0705	202	397	5.10	100.0	58	4
137.0	40.0	25	00.0	113	23.5	VA	78	08	25	1125	213	352	6.04	100.0	19	14
137.0	50.0	24	40.0	114	02.0	VA	78	08	25	1645	214	332	6.45	100.0	77	25

TABLE 2. Pooled occurrences of fish larvae taken during CalCOFI cruises in 1978.

Rank	Taxon	Occurrences
1	*Engraulis mordax*	501
2	*Sebastes* spp.	459
3	*Vinciguerria lucetia*	419
4	*Bathylagus ochotensis*	416
5	Sternoptychidae	411
6	*Protomyctophum crockeri*	400
7	*Cyclothone* spp.	345
8	*Triphoturus mexicanus*	337
9	*Citharichthys* spp.	324
10	*Bathylagus wesethi*	318
11	*Stenobrachius leucopsarus*	311
12	*Lampanyctus* spp.	285
13	*Leuroglossus stilbius*	246
14	*Merluccius productus*	236
15	Disintegrated fish larva	232
16	*Ceratoscopelus townsendi*	217
17	*Diogenichthys atlanticus*	205
18	*Melamphaes* spp.	190
18	*Diogenichthys laternatus*	190
20	*Symbolophorus californiensis*	185
21	Unidentified fish larva	174
22	Myctophidae	160
23	*Lampanyctus ritteri*	155
24	*Citharichthys stigmaeus*	151
25	*Diaphus* spp.	141
26	*Trachurus symmetricus*	138
27	*Chauliodus macouni*	137
28	Sciaenidae	127
29	*Stomias atriventer*	116
30	Gobiidae	83
31	*Tarletonbeania crenularis*	76
32	*Idiacanthus antrostomus*	75
32	*Icichthys lockingtoni*	75
32	*Danaphos oculatus*	75
35	*Lestidiops ringens*	74
36	*Myctophum nitidulum*	70
37	*Peprilus simillimus*	68
38	*Lampanyctus regalis*	63
39	*Scomber japonicus*	61
40	*Sebastes paucispinis*	59
41	*Notoscopelus resplendens*	58
42	*Oxyjulis californica*	57
43	*Sardinops sagax*	54
44	*Paralichthys californicus*	51
45	*Hypsoblennius* spp.	50
45	*Bathylagus* spp.	50
47	*Hygophum atratum*	48
47	*Microstoma microstoma*	48

TABLE 2. (cont.)

Rank	Taxon	Occurrences
49	*Sebastes jordani*	47
50	*Gonichthys tenuiculus*	45
50	*Bathylagus pacificus*	45
52	*Poromitra* spp.	44
53	Chiasmodontidae	42
53	*Ichthyococcus* spp.	42
55	*Lyopsetta exilis*	41
56	*Argentina sialis*	37
57	*Scopelarchus* spp.	35
58	Serranidae	33
59	*Sebastolobus* spp.	32
60	*Sebastes aurora*	31
60	*Notolychnus valdiviae*	31
62	*Hygophum reinhardtii*	30
62	*Vinciguerria poweriae*	30
64	*Microstomus pacificus*	28
65	*Diogenichthys* spp.	27
66	*Tetragonurus cuvieri*	26
67	*Nansenia candida*	25
67	Clinidae	25
69	*Pleuronichthys verticalis*	24
69	Gonostomatidae	24
71	*Scopelosaurus* spp.	23
71	*Rosenblattichthys volucris*	23
73	*Glyptocephalus zachirus*	22
73	*Aristostomias scintillans*	22
73	*Scopelogadus bispinosus*	22
73	*Hippoglossina stomata*	22
77	*Parophrys vetulus*	21
77	*Halichoeres* spp.	21
77	*Synodus* spp.	21
80	*Nansenia crassa*	20
80	*Electrona rissoi*	20
82	*Lampadena urophaos*	19
82	Cottidae	19
84	*Notolepis risso*	18
84	Ophidiiformes	18
86	*Symphurus* spp.	17
86	*Sebastes macdonaldi*	17
88	*Bathophilus* spp.	16
88	Paralepididae	16
90	*Chromis punctipinnis*	15
90	*Zaniolepis* spp.	15
92	Atherinidae	13
93	Trachipteridae	12
93	Gempylidae	12
93	*Lepidopus xantusi*	12
93	Haemulidae	12
97	*Benthalbella dentata*	11

TABLE 2. (cont.)

Rank	Taxon	Occurrences
97	*Brosmophycis marginata*	11
99	*Cololabis saira*	10
99	*Loweina rara*	10
101	*Etrumeus acuminatus*	9
101	*Hypsopsetta guttulata*	9
101	*Howella brodiei*	9
104	Carangidae	8
104	*Bathylagus milleri*	8
104	*Sebastes levis*	8
104	*Scorpaena* spp.	8
108	*Platichthys stellatus*	7
108	*Psettichthys melanostictus*	7
108	*Seriola lalandi*	7
108	*Tactostoma macropus*	7
108	*Brama* spp.	7
108	*Prionotus* spp.	7
108	*Pleuronichthys ritteri*	7
115	*Scorpaenichthys marmoratus*	6
115	*Centrobranchus* spp.	6
115	Macrouridae	6
115	*Psenes pellucidus*	6
115	*Photonectes* spp.	6
115	*Syngnathus* spp.	6
115	*Xystreurys liolepis*	6
115	*Ophidion scrippsae*	6
115	*Pleuronichthys coenosus*	6
124	*Sudis atrox*	5
124	*Bathylagus longirostris*	5
124	*Hygophum* spp.	5
124	*Scopeloberyx robustus*	5
124	Stomiiformes	5
124	*Sphyraena argentea*	5
130	*Girella nigricans*	4
130	Ceratioidei	4
130	*Semicossyphus pulcher*	4
130	*Chilara taylori*	4
134	*Macroramphosus gracilis*	3
134	Gobiesocidae	3
134	Cyclopteridae	3
134	Anguilliformes	3
134	*Benthalbella* spp.	3
134	Gerreidae	3
134	Scopelarchidae	3
134	*Valenciennellus stellatus*	3
142	*Bolinichthys* spp.	2
142	*Parvilux ingens*	2
142	*Caulolatilus princeps*	2
142	*Icosteus aenigmaticus*	2
142	Pleuronectiformes	2

TABLE 2. (cont.)

Rank	Taxon	Occurrences
142	*Triphoturus nigrescens*	2
142	*Caristius macropus*	2
142	Hexagrammidae	2
142	*Coryphaena hippurus*	2
142	Eutaeniophoridae	2
142	*Diplophos taenia*	2
142	*Auxis* spp.	2
142	*Gonostoma* spp.	2
155	Exocoetidae	1
155	*Scopelarchoides nicholsi*	1
155	*Euthynnus* spp.	1
155	*Stemonosudis macrura*	1
155	*Aulopus* spp.	1
155	*Hippoglossina* spp.	1
155	*Medialuna californiensis*	1
155	Agonidae	1
155	*Taaningichthys minimus*	1
155	*Isopsetta isolepis*	1
155	*Eustomias* spp.	1
155	Osmeridae	1
155	*Mugil* spp.	1
155	Moridae	1
155	Scombridae	1
155	*Pleuronichthys decurrens*	1
155	*Opisthonema* spp.	1
155	*Lepidopsetta bilineata*	1
155	*Cubiceps caeruleus*	1
155	*Porichthys* spp.	1

TABLE 3. Pooled numbers of fish larvae taken during CalCOFI cruises in 1978. Counts are adjusted for percent of sample sorted and standard haul factor (see text).

Rank	Taxon	Count
1	*Engraulis mordax*	341053
2	*Vinciguerria lucetia*	102156
3	*Merluccius productus*	38616
4	*Sebastes* spp.	35358
5	Sciaenidae	17094
6	*Leuroglossus stilbius*	17007
7	*Triphoturus mexicanus*	16950
8	*Stenobrachius leucopsarus*	16438
9	*Bathylagus ochotensis*	12633
10	*Bathylagus wesethi*	10937
11	*Sardinops sagax*	9198
12	*Citharichthys* spp.	9020
13	*Ceratoscopelus townsendi*	7841
14	*Cyclothone* spp.	7736
15	*Diogenichthys laternatus*	7242
16	*Trachurus symmetricus*	7029
17	*Protomyctophum crockeri*	5744
18	Sternoptychidae	4774
19	*Sebastes jordani*	4755
20	*Scomber japonicus*	4505
21	*Lampanyctus* spp.	4366
22	*Diaphus* spp.	3617
23	*Diogenichthys atlanticus*	3524
24	Disintegrated fish larva	2585
25	*Symbolophorus californiensis*	2492
26	*Lampanyctus ritteri*	2344
27	*Citharichthys stigmaeus*	1984
28	Myctophidae	1832
29	Unidentified fish larva	1785
30	*Melamphaes* spp.	1755
31	*Peprilus simillimus*	1458
32	*Oxyjulis californica*	1444
33	*Etrumeus acuminatus*	1377
34	*Chauliodus macouni*	1304
35	*Tarletonbeania crenularis*	1176
36	*Sebastes paucispinis*	1116
37	*Icichthys lockingtoni*	1093
38	*Stomias atriventer*	1047
39	Gobiidae	981
40	*Bathylagus* spp.	954
41	Gobiesocidae	902
42	Serranidae	892
43	*Idiacanthus antrostomus*	830
44	*Hypsoblennius* spp.	806
45	*Lyopsetta exilis*	766
46	*Sebastolobus* spp.	743
47	*Lampanyctus regalis*	736

TABLE 3. (cont.)

Rank	Taxon	Count
48	*Lestidiops ringens*	713
49	*Paralichthys californicus*	701
50	*Danaphos oculatus*	700
51	*Bathylagus pacificus*	650
52	*Sebastes macdonaldi*	637
53	*Notoscopelus resplendens*	632
54	*Notolychnus valdiviae*	556
55	*Myctophum nitidulum*	532
56	*Argentina sialis*	503
57	Clinidae	498
58	*Hygophum atratum*	490
59	*Sebastes aurora*	489
60	*Gonichthys tenuiculus*	427
61	*Parophrys vetulus*	402
62	*Microstoma microstoma*	379
63	*Vinciguerria poweriae*	362
64	*Poromitra* spp.	359
65	*Nansenia candida*	318
66	Carangidae	317
67	*Glyptocephalus zachirus*	302
68	Haemulidae	301
68	*Microstomus pacificus*	301
70	*Hygophum reinhardtii*	291
71	*Scopelarchus* spp.	274
72	*Ichthyococcus* spp.	273
73	Chiasmodontidae	267
74	*Halichoeres* spp.	263
75	*Pleuronichthys verticalis*	257
76	*Chromis punctipinnis*	245
77	*Sebastes levis*	238
78	*Prionotus* spp.	222
79	*Diogenichthys* spp.	221
80	*Tetragonurus cuvieri*	205
81	*Symphurus* spp.	193
81	*Hippoglossina stomata*	193
81	*Opisthonema* spp.	193
84	*Scopelosaurus* spp.	192
85	Ophidiiformes	182
85	*Aristostomias scintillans*	182
87	Paralepididae	178
88	*Lampadena urophaos*	175
89	Gonostomatidae	164
89	*Scopelogadus bispinosus*	164
91	Cottidae	161
92	*Synodus* spp.	158
93	*Nansenia crassa*	147
94	*Rosenblattichthys volucris*	144
95	*Electrona rissoi*	132
96	*Bathophilus* spp.	116

TABLE 3. (cont.)

Rank	Taxon	Count
97	*Lepidopus xantusi*	113
98	*Zaniolepis* spp.	111
98	*Brosmophycis marginata*	111
100	*Platichthys stellatus*	109
100	*Notolepis risso*	109
102	Atherinidae	102
102	*Cololabis saira*	102
104	Gerreidae	100
105	*Bathylagus milleri*	97
106	*Scorpaena* spp.	91
107	Trachipteridae	83
108	*Benthalbella dentata*	82
109	*Macroramphosus gracilis*	72
110	*Seriola lalandi*	71
111	*Pleuronichthys coenosus*	70
112	*Psettichthys melanostictus*	66
113	Gempylidae	62
114	*Tactostoma macropus*	60
115	*Hypsopsetta guttulata*	59
115	*Howella brodiei*	59
117	*Xystreurys liolepis*	58
118	*Loweina rara*	57
119	Macrouridae	51
120	*Sphyraena argentea*	50
121	*Brama* spp.	49
122	*Hygophum* spp.	48
122	Stomiiformes	48
124	*Scorpaenichthys marmoratus*	47
125	*Chilara taylori*	41
126	*Ophidion scrippsae*	38
127	*Psenes pellucidus*	36
127	*Photonectes* spp.	36
129	*Pleuronichthys ritteri*	33
129	*Scopeloberyx robustus*	33
131	*Sudis atrox*	32
132	*Centrobranchus* spp.	31
133	*Syngnathus* spp.	30
133	*Semicossyphus pulcher*	30
135	Ceratioidei	27
136	*Bathylagus longirostris*	26
137	Scopelarchidae	23
138	*Caulolatilus princeps*	21
138	Agonidae	21
140	Cyclopteridae	20
141	*Girella nigricans*	19
142	*Benthalbella* spp.	17
142	Eutaeniophoridae	17
144	*Bolinichthys* spp.	16
144	*Valenciennellus stellatus*	16

TABLE 3. (cont.)

Rank	Taxon	Count
144	*Diplophos taenia*	16
144	Anguilliformes	16
144	Pleuronectiformes	16
149	*Icosteus aenigmaticus*	15
150	*Auxis* spp.	12
150	*Mugil* spp.	12
150	*Caristius macropus*	12
150	*Lepidopsetta bilineata*	12
150	*Coryphaena hippurus*	12
150	*Pleuronichthys decurrens*	12
150	*Hippoglossina* spp.	12
157	*Gonostoma* spp.	11
157	*Triphoturus nigrescens*	11
159	*Parvilux ingens*	10
159	*Isopsetta isolepis*	10
159	*Aulopus* spp.	10
162	Hexagrammidae	9
163	Exocoetidae	6
163	*Medialuna californiensis*	6
163	*Euthynnus* spp.	6
166	*Taaningichthys minimus*	5
166	Scombridae	5
166	*Eustomias* spp.	5
166	Osmeridae	5
166	Moridae	5
166	*Cubiceps caeruleus*	5
166	*Stemonosudis macrura*	5
166	*Scopelarchoides nicholsi*	5
174	*Porichthys* spp.	4
	Total	738964

TABLE 4. Numbers of fish larvae taken on stations occupied during CalCOFI cruises in 1978. Counts are adjusted for percent of sample sorted and standard haul factor (see text). Average number is given for stations occupied twice during a single month. Unoccupied stations are indicated by a dash.

Anguilliformes

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	180.0	-	-	-	-	5.5	-	0.0	-	0.0	-	-	-
110.0	70.0	-	0.0	5.5	-	-	-	0.0	-	0.0	-	-	-
130.0	60.0	-	4.6	-	0.0	-	-	-	0.0	0.0	-	-	-

Etrumeus acuminatus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
119.0	33.0	-	0.0	-	0.0	-	-	-	5.4	0.0	-	-	-
120.0	24.0	-	0.0	-	0.0	-	-	-	4.3	760.0	-	-	-
120.0	25.0	-	0.0	-	0.0	-	-	-	0.0	346.9	-	-	-
120.0	40.0	-	0.0	-	0.0	-	-	-	5.0	0.0	-	-	-
130.0	28.0	-	0.0	-	0.0	-	-	-	9.9	52.0	-	-	-
133.0	23.0	-	0.0	-	0.0	-	-	-	0.0	188.2	-	-	-
133.0	25.0	-	0.0	-	0.0	-	-	-	0.0	5.2	-	-	-

Opisthonema spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
137.0	22.0	-	0.0	-	0.0	-	-	-	193.0	-	-	-	-

Sardinops sagax

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	32.5	39.8	0.0	-	0.0	2.9	0.0	-	0.0	0.0	-	-	-
87.0	32.7	35.2	0.0	-	0.0	0.0	0.0	-	0.0	4.7	-	-	-
87.0	33.0	22.3	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	27.6	0.0	0.0	5.3	-	0.0	0.0	-	0.0	0.0	-	-	-
93.0	30.0	10.2	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
97.0	29.0	0.0	0.0	4.7	-	0.0	-	8.2	-	10.1	-	-	-
97.0	30.0	0.0	0.0	5.1	-	0.0	-	8.7	-	0.0	-	-	-
97.0	35.0	0.0	0.0	0.0	-	0.0	-	5.2	-	0.0	-	-	-
103.0	29.0	0.0	0.0	0.0	-	0.0	-	0.0	-	18.2	-	-	-
107.0	31.0	4.5	14.5	0.0	-	0.0	-	-	0.0	52.8	-	-	-
110.0	32.4	17.7	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
113.0	29.0	112.1	74.8	0.0	-	0.0	-	-	0.0	47.1	-	-	-
113.0	30.0	9.3	11.6	0.0	-	0.0	-	-	0.0	15.4	-	-	-
117.0	25.0	-	0.0	-	-	-	-	-	0.0	57.0	-	-	-
117.0	26.0	-	0.0	0.0	-	-	-	-	0.0	4.9	-	-	-
117.0	60.0	-	0.0	0.0	-	-	-	-	0.0	11.4	-	-	-
118.0	39.0	-	0.0	5.2	-	-	-	-	0.0	6.2	-	-	-

TABLE 4. (cont.)

Sardinops sagax (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
119.0	33.0	-	0.0	-	0.0	-	-	-	69.7	0.0	-	-	-
120.0	24.0	-	39.5	-	52.9	-	-	-	64.8	3234.8	-	-	-
120.0	25.0	-	0.0	-	0.0	-	-	-	4.7	2926.8	-	-	-
120.0	30.0	-	0.0	-	0.0	-	-	-	24.2	370.8	-	-	-
120.0	35.0	-	0.0	-	0.0	-	-	-	0.0	5.7	-	-	-
120.0	40.0	-	11.1	-	0.0	-	-	-	175.7	41.6	-	-	-
120.0	45.0	-	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-
127.0	40.0	-	-	-	0.0	-	-	-	56.2	0.0	-	-	-
127.0	45.0	-	0.0	-	0.0	-	-	-	0.0	15.8	-	-	-
130.0	28.0	-	4.6	-	0.0	-	-	-	49.5	28.4	-	-	-
130.0	40.0	-	0.0	-	0.0	-	-	-	-	12.8	-	-	-
133.0	23.0	-	0.0	-	0.0	-	-	-	225.5	934.8	-	-	-
133.0	25.0	-	0.0	-	0.0	-	-	-	0.0	10.4	-	-	-
137.0	22.0	-	0.0	-	0.0	-	-	-	193.0	-	-	-	-

Engraulis mordax

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	-	0.0	-	61.9	78.4	-	-	0.0	4.8	-	-	-
60.0	52.5	-	-	-	100.2	896.6	0.0	-	0.0	0.0	-	-	-
60.0	55.0	-	0.0	-	132.2	11.4	0.0	-	0.0	0.0	-	-	-
63.0	50.0	-	4.1	-	104.7	1251.0	-	-	0.0	0.0	-	-	-
63.0	52.0	-	384.0	-	179.7	350.1	0.0	-	0.0	66.0	-	-	-
63.0	55.0	-	0.0	-	39.8	22.3	21.5	-	0.0	0.0	-	-	-
63.0	60.0	-	0.0	-	10.2	0.0	18.0	-	0.0	0.0	-	-	-
63.0	65.0	-	0.0	-	9.5	-	-	-	0.0	0.0	-	-	-
66.0	49.0	-	14.1	-	53.0	152.5	-	-	0.0	0.0	-	-	-
67.0	50.0	-	4.8	-	25.7	381.4	13.8	-	0.0	0.0	-	-	-
67.0	55.0	-	237.4	-	0.0	21.9	14.1	-	0.0	0.0	-	-	-
67.0	60.0	-	0.0	-	0.0	0.0	23.5	-	0.0	0.0	-	-	-
70.0	51.0	-	9.4	-	0.0	39.7	0.0	-	0.0	0.0	-	-	-
70.0	53.0	-	0.0	-	0.0	59.9	24.5	-	0.0	0.0	-	-	-
70.0	60.0	-	0.0	-	18.5	0.0	24.9	-	0.0	0.0	-	-	-
73.0	50.0	-	0.0	-	1555.7	75.7	0.0	-	0.0	0.0	-	-	-
73.0	53.0	-	0.0	-	80.6	10.2	36.1	-	0.0	0.0	-	-	-
73.0	60.0	-	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	65.0	-	0.0	-	9.2	0.0	-	-	0.0	0.0	-	-	-
73.0	70.0	-	0.0	-	0.0	0.0	23.2	-	0.0	0.0	-	-	-
77.0	48.0	-	3.7	-	612.9	126.8	-	-	0.0	-	-	-	-
77.0	51.0	-	10.3	-	404.0	52.0	0.0	-	0.0	0.0	-	-	-
77.0	55.0	-	522.6	-	10.2	0.0	62.5	-	0.0	0.0	-	-	-
77.0	60.0	-	502.2	-	24.9	0.0	0.0	-	0.0	0.0	-	-	-
77.0	70.0	-	0.0	-	0.0	0.0	47.5	-	0.0	0.0	-	-	-
77.0	80.0	-	0.0	-	0.0	-	5.9	-	14.8	0.0	-	-	-
80.0	51.0	-	63.3	-	1969.1	20.3	72.9	-	11.5	0.0	-	-	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	52.0	-	474.3	-	1585.1	11.4	-	-	0.0	0.0	-	-	-
80.0	55.0	-	0.0	-	128.3	22.0	66.2	-	39.7	0.0	-	-	-
80.0	60.0	-	0.0	-	90.0	12.1	0.0	-	20.1	0.0	-	-	-
80.0	70.0	-	0.0	-	0.0	0.0	49.9	-	0.0	0.0	-	-	-
80.0	80.0	-	0.0	-	0.0	-	31.1	-	0.0	0.0	-	-	-
80.0	90.0	-	0.0	-	0.0	-	44.2	-	0.0	0.0	-	-	-
82.0	47.0	-	834.9	-	1347.1	46.3	-	-	12.1	47.3	-	-	-
83.0	40.6	-	833.1	-	-	255.6	210.0	-	18.8	219.5	-	-	-
83.0	42.0	-	2116.2	-	2612.9	329.1	708.8	-	151.8	476.9	-	-	-
83.0	51.0	376.7	1693.1	-	485.6	1293.7	-	-	22.5	82.4	-	-	-
83.0	55.0	479.1	277.0	-	96.9	1636.2	-	-	94.5	0.0	-	-	-
83.0	60.0	5.2	0.0	-	0.0	0.0	0.0	-	66.9	0.0	-	-	-
83.0	70.0	10.8	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	80.0	5.4	0.0	-	0.0	-	0.0	-	0.0	0.0	-	-	-
83.0	90.0	-	0.0	-	0.0	-	4.9	-	0.0	0.0	-	-	-
87.0	32.5	122.8	984.0	-	1688.6	14.5	31.9	-	60.9	14.9	-	-	-
87.0	32.7	2380.4	1269.9	-	1701.5	1062.5	57.4	-	156.5	132.4	-	-	-
87.0	33.0	1515.8	863.3	-	6867.0	357.1	41.0	-	78.2	28.5	-	-	-
87.0	34.0	330.5	1409.3	-	2192.3	2520.0	-	-	113.2	174.2	-	-	-
87.0	35.0	527.1	891.0	-	5433.6	4373.3	358.7	-	145.5	1119.4	-	-	-
87.0	36.0	229.3	427.9	-	3297.1	2503.7	-	-	165.7	0.0	-	-	-
87.0	40.0	56.4	1269.4	-	3282.5	0.0	1252.5	-	0.0	11.3	-	-	-
87.0	45.0	1371.3	218.0	-	1627.6	0.0	20.9	-	13.4	0.0	-	-	-
87.0	50.0	137.8	0.0	18.1	-	1254.0	8.0	-	45.5	0.0	-	-	-
87.0	55.0	216.4	10.2	24.0	-	71.6	12.4	-	19.1	0.0	-	-	-
87.0	60.0	0.0	0.0	0.0	-	5.7	52.9	-	0.0	0.0	-	-	-
87.0	70.0	0.0	5.2	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	27.6	731.4	581.1	1566.4	-	2638.0	131.5	-	0.0	0.0	-	-	-
90.0	28.0	1572.6	154.4	2236.8	-	7116.0	99.4	-	0.0	11.2	-	-	-
90.0	29.0	327.5	440.8	4046.9	-	5841.4	186.7	-	10.3	22.0	-	-	-
90.0	30.0	377.4	366.8	1956.0	-	5939.1	1047.1	-	24.0	83.4	-	-	-
90.0	31.0	194.8	568.4	11258.2	-	6479.3	1723.2	-	201.2	65.8	-	-	-
90.0	33.0	201.8	2161.2	16861.4	-	4887.8	7674.6	-	140.3	96.2	-	-	-
90.0	37.0	108.8	523.0	11890.9	-	22.5	11.0	-	109.3	0.0	-	-	-
90.0	45.0	3745.9	1055.5	279.3	-	64.6	0.0	21.7	-	-	-	-	-
90.0	53.0	155.3	10.0	757.3	-	0.0	0.0	36.8	-	0.0	-	-	-
90.0	60.0	0.0	0.0	1880.6	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	70.0	0.0	0.0	0.0	-	0.0	0.0	313.2	-	0.0	-	-	-
90.0	100.0	-	5.5	0.0	-	0.0	-	0.0	-	0.0	-	-	-
93.0	26.7	163.5	591.3	633.3	1639.3	-	38.0	420.1	68.0	-	-	-	-
93.0	26.9	431.7	1225.1	1820.3	2186.9	-	26.6	-	19.0	-	-	-	-
93.0	28.0	49.9	1150.9	2112.2	3543.1	-	352.3	234.3	-	0.0	-	-	-
93.0	29.0	50.5	238.9	632.1	2418.6	-	-	99.8	-	0.0	-	-	-
93.0	30.0	50.8	248.6	8047.9	2211.7	-	160.9	58.2	-	0.0	-	-	-
93.0	35.0	325.8	972.8	5513.7	88.3	-	0.0	0.0	-	0.0	-	-	-
93.0	40.0	406.0	743.4	1776.6	24.0	-	368.3	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	45.0	22.2	22.1	245.8	12.3	-	35.3	0.0	-	0.0	-	-	-
93.0	50.0	0.0	0.0	12.2	0.0	-	9.6	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	5.4	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	130.0	-	-	-	-	5.4	-	0.0	-	0.0	-	-	-
97.0	29.0	16.4	326.9	1281.1	-	1329.9	-	74.0	-	30.2	-	-	-
97.0	30.0	24.0	218.1	1130.6	-	3065.1	-	64.2	-	0.0	-	-	-
97.0	32.0	0.0	9.4	2240.6	-	484.0	-	127.8	-	5.9	-	-	-
97.0	35.0	0.0	553.3	107.7	-	0.0	-	0.0	-	0.0	-	-	-
97.0	40.0	0.0	1432.9	1121.7	-	0.0	-	16.9	-	0.0	-	-	-
97.0	45.0	0.0	155.7	912.0	-	0.0	-	5.0	-	0.0	-	-	-
97.0	50.0	0.0	0.0	2350.2	-	0.0	-	17.3	-	0.0	-	-	-
97.0	55.0	0.0	0.0	120.4	-	0.0	-	5.7	-	0.0	-	-	-
97.0	60.0	0.0	0.0	6.0	-	6.4	-	0.0	-	0.0	-	-	-
97.0	80.0	-	0.0	0.0	-	4.8	0.0	-	-	0.0	-	-	-
100.0	29.0	67.8	711.3	441.1	-	540.6	-	8.8	-	0.0	-	-	-
100.0	30.0	27.2	444.4	1579.4	-	3497.1	-	44.6	-	39.9	-	-	-
100.0	35.0	11.5	31.9	20.2	-	42.3	-	0.0	-	0.0	-	-	-
100.0	40.0	0.0	0.0	27.0	-	24.1	-	10.1	-	0.0	-	-	-
100.0	45.0	0.0	10.0	79.9	-	20.9	-	0.0	-	0.0	-	-	-
100.0	50.0	0.0	0.0	9.8	-	0.0	-	0.0	-	0.0	-	-	-
103.0	29.0	105.2	123.3	25.6	-	75.6	-	0.0	-	18.2	-	-	-
103.0	30.0	26.0	381.6	389.8	-	234.1	-	10.1	-	34.4	-	-	-
103.0	40.0	0.0	-	450.4	-	10.5	-	0.0	-	0.0	-	-	-
103.0	50.0	0.0	0.0	5.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	60.0	0.0	0.0	10.8	-	-	-	0.0	-	0.0	-	-	-
107.0	31.0	67.2	36.2	4500.6	-	511.5	-	-	0.0	66.0	-	-	-
107.0	32.0	50.2	0.0	649.0	-	869.8	-	0.0	0.0	23.3	-	-	-
107.0	35.0	0.0	0.0	22.0	-	463.7	-	0.0	0.0	0.0	-	-	-
107.0	40.0	0.0	16.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0	45.0	15.6	38.1	0.0	-	0.0	-	-	-	0.0	-	-	-
110.0	32.4	154.7	230.5	1402.6	-	434.9	-	0.0	0.0	0.0	-	-	-
110.0	35.0	0.0	0.0	0.0	-	2346.9	-	0.0	0.0	0.0	-	-	-
110.0	40.0	0.0	0.0	35.8	-	2368.7	-	0.0	0.0	0.0	-	-	-
110.0	45.0	0.0	0.0	40.4	-	0.0	-	0.0	-	0.0	-	-	-
110.0	50.0	0.0	11.1	26.5	-	0.0	-	0.0	0.0	0.0	-	-	-
113.0	29.0	245.7	344.5	705.2	-	477.4	-	-	7.8	9.4	-	-	-
113.0	30.0	107.0	348.3	2175.6	-	187.4	-	-	0.0	5.1	-	-	-
113.0	35.0	46.3	0.0	2846.7	-	978.2	-	-	-	58.5	-	-	-
113.0	40.0	0.0	0.0	79.5	-	337.6	-	-	0.0	0.0	-	-	-
113.0	45.0	0.0	76.1	31.7	-	1542.3	-	-	0.0	0.0	-	-	-
113.0	50.0	0.0	16.9	10.6	-	0.0	-	0.0	0.0	0.0	-	-	-
117.0	25.0	-	690.4	-	-	-	-	-	155.5	17.1	-	-	-
117.0	26.0	-	1268.5	1312.3	-	-	-	-	0.0	9.8	-	-	-
117.0	30.0	-	19.1	816.9	-	-	-	-	0.0	5.1	-	-	-
117.0	35.0	-	198.7	977.3	-	-	-	-	0.0	0.0	-	-	-
117.0	40.0	-	8.6	1581.3	-	-	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
117.0	45.0	-	4.7	326.6	-	-	-	-	0.0	0.0	-	-	-
117.0	50.0	-	4.0	28.7	-	-	-	-	0.0	0.0	-	-	-
118.0	39.0	-	34.2	387.8	-	-	-	-	0.0	49.6	-	-	-
119.0	33.0	-	518.8	-	332.0	-	-	-	42.9	0.0	-	-	-
120.0	24.0	-	126.4	-	154.7	-	-	-	829.4	9.5	-	-	-
120.0	25.0	-	389.0	-	381.6	-	-	-	9.3	59.6	-	-	-
120.0	30.0	-	621.7	-	130.8	-	-	-	78.8	56.7	-	-	-
120.0	35.0	-	84.4	-	322.6	-	-	-	328.0	17.0	-	-	-
120.0	40.0	-	457.6	-	510.7	-	-	-	50.2	9.2	-	-	-
120.0	45.0	-	0.0	-	0.0	-	-	-	16.5	0.0	-	-	-
120.0	60.0	-	5.2	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	70.0	-	0.0	-	4.9	-	-	-	0.0	0.0	-	-	-
123.0	36.0	-	452.4	-	19.9	-	-	-	0.0	9.4	-	-	-
123.0	37.0	-	112.6	-	246.8	-	-	-	0.0	0.0	-	-	-
123.0	42.0	-	105.1	-	-	-	-	-	-	0.0	-	-	-
123.0	45.0	-	456.0	-	431.5	-	-	-	-	0.0	-	-	-
123.0	50.0	-	986.7	-	0.0	-	-	-	0.0	0.0	-	-	-
127.0	33.0	-	32.7	-	56.9	-	-	-	0.0	0.0	-	-	-
127.0	34.0	-	414.5	-	158.4	-	-	-	14.5	0.0	-	-	-
127.0	40.0	-	-	-	57.1	-	-	-	0.0	40.7	-	-	-
127.0	45.0	-	4.7	-	47.1	-	-	-	0.0	0.0	-	-	-
127.0	50.0	-	4.6	-	1215.2	-	-	-	0.0	0.0	-	-	-
130.0	28.0	-	1575.4	-	254.3	-	-	-	9.9	4.7	-	-	-
130.0	30.0	-	422.8	-	203.3	-	-	-	0.0	0.0	-	-	-
130.0	35.0	-	2250.3	-	10.6	-	-	-	5.7	169.9	-	-	-
130.0	40.0	-	0.0	-	85.9	-	-	-	-	6.4	-	-	-
130.0	50.0	-	10.2	-	724.7	-	-	-	0.0	0.0	-	-	-
133.0	23.0	-	2394.3	-	6888.0	-	-	-	291.5	303.5	-	-	-
133.0	25.0	-	1563.8	-	2378.2	-	-	-	16.4	47.0	-	-	-
133.0	30.0	-	853.7	-	250.9	-	-	-	0.0	36.7	-	-	-
133.0	35.0	-	460.2	-	70.3	-	-	-	0.0	0.0	-	-	-
133.0	40.0	-	23.8	-	0.0	-	-	-	12.3	0.0	-	-	-
137.0	22.0	-	1632.4	-	341.1	-	-	-	16.1	-	-	-	-
137.0	23.0	-	3637.7	-	1080.9	-	-	-	5.6	-	-	-	-
137.0	30.0	-	1305.9	-	1030.3	-	-	-	0.0	0.0	-	-	-
137.0	35.0	-	262.6	-	31.6	-	-	-	0.0	0.0	-	-	-
137.0	40.0	-	29.6	-	0.0	-	-	-	0.0	0.0	-	-	-

Argentina sialis

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
67.0	60.0	-	0.0	-	0.0	11.0	0.0	-	0.0	0.0	-	-	-
70.0	70.0	-	11.9	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	52.0	-	12.3	-	0.0	0.0	-	-	0.0	0.0	-	-	-
82.0	47.0	-	20.7	-	0.0	0.0	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Argentina sialis (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	80.0	0.0	0.0	–	0.0	–	0.0	–	0.0	5.9	–	–	–
87.0	36.0	0.0	0.0	–	0.0	0.0	–	–	11.8	0.0	–	–	–
90.0	28.0	0.0	0.0	0.0	–	0.0	0.0	–	11.6	0.0	–	–	–
90.0	29.0	10.2	5.5	13.9	–	0.0	0.0	–	0.0	11.0	–	–	–
90.0	30.0	12.6	0.0	0.0	–	0.0	0.0	–	0.0	0.0	–	–	–
90.0	31.0	9.7	0.0	0.0	–	0.0	0.0	–	0.0	0.0	–	–	–
93.0	28.0	0.0	12.2	5.9	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0	29.0	16.8	48.9	0.0	0.0	–	–	0.0	–	0.0	–	–	–
93.0	30.0	0.0	53.3	0.0	0.0	–	0.0	0.0	–	22.7	–	–	–
97.0	35.0	0.0	0.0	0.0	–	0.0	–	5.2	–	0.0	–	–	–
100.0	29.0	0.0	0.0	5.2	–	19.8	–	0.0	–	0.0	–	–	–
100.0	30.0	0.0	0.0	0.0	–	18.2	–	0.0	–	0.0	–	–	–
103.0	45.0	0.0	–	0.0	–	0.0	–	5.7	–	0.0	–	–	–
107.0	32.0	5.6	0.0	0.0	–	8.8	–	22.9	0.0	0.0	–	–	–
107.0	35.0	5.4	0.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0	60.0	5.3	0.0	0.0	–	–	–	0.0	–	0.0	–	–	–
113.0	45.0	0.0	0.0	0.0	–	13.3	–	–	0.0	0.0	–	–	–
117.0	35.0	–	0.0	0.0	–	–	–	–	27.4	0.0	–	–	–
117.0	40.0	–	0.0	5.8	–	–	–	–	0.0	5.9	–	–	–
117.0	45.0	–	4.7	0.0	–	–	–	–	0.0	0.0	–	–	–
118.0	39.0	–	9.8	0.0	–	–	–	–	12.6	12.4	–	–	–

Microstoma microstoma

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	80.0	–	5.7	–	–	–	0.0	–	0.0	0.0	–	–	–
60.0	90.0	–	–	–	–	–	0.0	–	0.0	5.7	–	–	–
63.0	90.0	–	–	–	–	–	0.0	–	5.4	0.0	–	–	–
67.0	70.0	–	0.0	–	0.0	–	0.0	–	0.0	11.0	–	–	–
70.0	90.0	–	0.0	–	5.6	–	0.0	–	0.0	5.3	–	–	–
73.0	53.0	–	0.0	–	0.0	0.0	0.0	–	12.4	0.0	–	–	–
73.0	80.0	–	0.0	–	0.0	–	0.0	–	5.1	0.0	–	–	–
73.0	90.0	–	0.0	–	0.0	–	11.5	–	0.0	0.0	–	–	–
77.0	70.0	–	0.0	–	0.0	0.0	0.0	–	5.3	0.0	–	–	–
77.0	90.0	–	0.0	–	0.0	–	0.0	–	5.5	5.4	–	–	–
80.0	70.0	–	0.0	–	0.0	0.0	0.0	–	0.0	10.8	–	–	–
80.0	80.0	–	11.3	–	0.0	–	0.0	–	0.0	11.7	–	–	–
80.0	90.0	–	0.0	–	5.4	–	4.9	–	0.0	0.0	–	–	–
83.0	55.0	0.0	0.0	–	0.0	11.4	–	–	0.0	0.0	–	–	–
83.0	70.0	0.0	10.6	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
87.0	60.0	0.0	0.0	0.0	–	5.7	0.0	–	10.7	0.0	–	–	–
87.0	80.0	0.0	0.0	0.0	–	–	0.0	–	5.2	0.0	–	–	–
90.0	70.0	0.0	0.0	0.0	–	0.0	0.0	7.8	–	11.3	–	–	–
90.0	80.0	5.1	0.0	0.0	–	0.0	0.0	0.0	–	0.0	–	–	–
90.0	90.0	–	0.0	0.0	–	0.0	0.0	5.4	–	0.0	–	–	–

TABLE 4. (cont.)

Microstoma microstoma (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	40.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	13.2	-	-	-
93.0	55.0	0.0	0.0	0.0	5.2	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	5.2	-	-	-
93.0	80.0	0.0	0.0	5.8	-	0.0	0.0	0.0	-	0.0	-	-	-
97.0	50.0	12.3	0.0	0.0	-	0.0	-	5.8	-	0.0	-	-	-
97.0	60.0	0.0	17.0	0.0	-	0.0	-	0.0	-	11.9	-	-	-
97.0	70.0	-	0.0	0.0	-	0.0	-	2.5	-	5.9	-	-	-
100.0	50.0	0.0	5.4	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	80.0	0.0	0.0	5.6	-	0.0	-	0.0	-	0.0	-	-	-
103.0	40.0	0.0	-	0.0	-	0.0	-	6.7	-	0.0	-	-	-
103.0	60.0	0.0	0.0	0.0	-	-	-	5.2	-	0.0	-	-	-
103.0	80.0	2.8	4.7	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	60.0	0.0	0.0	0.0	-	-	-	2.6	-	0.0	-	-	-
107.0	80.0	-	0.0	0.0	-	-	-	3.0	-	0.0	-	-	-
110.0	50.0	0.0	0.0	0.0	-	0.0	-	16.2	0.0	0.0	-	-	-
110.0	60.0	0.0	0.0	0.0	-	-	-	5.2	-	0.0	-	-	-
113.0	35.0	0.0	4.3	0.0	-	0.0	-	-	-	0.0	-	-	-
127.0	50.0	-	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-

Nansenia candida

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	80.0	-	0.0	-	-	-	9.3	-	0.0	-	-	-	-
67.0	60.0	-	10.6	-	14.7	0.0	0.0	-	0.0	0.0	-	-	-
67.0	65.0	-	0.0	-	12.0	-	-	-	0.0	0.0	-	-	-
67.0	80.0	-	0.0	-	8.3	-	0.0	-	0.0	-	-	-	-
70.0	51.0	-	0.0	-	0.0	0.0	23.2	-	0.0	0.0	-	-	-
70.0	70.0	-	0.0	-	0.0	0.0	5.7	-	0.0	0.0	-	-	-
70.0	80.0	-	0.0	-	21.3	-	5.4	-	0.0	0.0	-	-	-
70.0	90.0	-	0.0	-	44.4	-	5.8	-	0.0	0.0	-	-	-
73.0	60.0	-	0.0	-	0.0	0.0	6.1	-	0.0	0.0	-	-	-
73.0	70.0	-	0.0	-	8.1	0.0	11.6	-	0.0	0.0	-	-	-
73.0	80.0	-	0.0	-	10.7	-	0.0	-	0.0	0.0	-	-	-
73.0	90.0	-	0.0	-	0.0	-	11.5	-	0.0	0.0	-	-	-
77.0	55.0	-	0.0	-	0.0	0.0	25.0	-	11.3	0.0	-	-	-
77.0	90.0	-	5.4	-	0.0	-	12.1	-	0.0	0.0	-	-	-
80.0	60.0	-	0.0	-	30.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	80.0	-	0.0	-	10.5	-	0.0	-	0.0	0.0	-	-	-
83.0	90.0	-	0.0	-	0.0	-	4.9	-	0.0	0.0	-	-	-
87.0	80.0	0.0	0.0	0.0	-	-	5.0	-	0.0	0.0	-	-	-
87.0	90.0	-	0.0	0.0	-	-	5.1	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Nansenia crassa

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	35.0	5.8	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	50.0	0.0	0.0	0.0	-	11.5	-	0.0	-	0.0	-	-	-
107.0	50.0	0.0	0.0	0.0	-	5.6	-	0.0	-	0.0	-	-	-
110.0	40.0	0.0	0.0	0.0	-	10.9	-	0.0	0.0	0.0	-	-	-
110.0	70.0	-	0.0	5.5	-	-	-	0.0	-	0.0	-	-	-
113.0	35.0	0.0	0.0	0.0	-	22.8	-	-	-	0.0	-	-	-
113.0	40.0	0.0	0.0	0.0	-	0.0	-	-	0.0	5.7	-	-	-
113.0	60.0	0.0	0.0	5.3	-	-	-	0.0	0.0	0.0	-	-	-
117.0	45.0	-	0.0	5.7	-	-	-	-	0.0	0.0	-	-	-
117.0	80.0	-	4.4	0.0	-	-	-	-	0.0	0.0	-	-	-
120.0	45.0	-	0.0	-	4.7	-	-	-	0.0	0.0	-	-	-
120.0	50.0	-	15.6	-	0.0	-	-	-	0.0	0.0	-	-	-
123.0	45.0	-	4.8	-	0.0	-	-	-	-	0.0	-	-	-
123.0	60.0	-	5.2	-	0.0	-	-	-	0.0	0.0	-	-	-
133.0	40.0	-	5.9	-	0.0	-	-	-	0.0	5.9	-	-	-
133.0	50.0	-	5.4	-	0.0	-	-	-	0.0	0.0	-	-	-
137.0	40.0	-	4.9	-	0.0	-	-	-	0.0	0.0	-	-	-
137.0	50.0	-	0.0	-	0.0	-	-	-	5.6	0.0	-	-	-
137.0	60.0	-	0.0	-	0.0	-	-	-	5.9	-	-	-	-

Bathylagus spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	55.0	-	22.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
67.0	55.0	-	0.0	-	0.0	0.0	28.3	-	13.5	0.0	-	-	-
67.0	60.0	-	0.0	-	0.0	0.0	23.5	-	0.0	0.0	-	-	-
73.0	53.0	-	0.0	-	0.0	10.2	0.0	-	0.0	0.0	-	-	-
73.0	60.0	-	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	65.0	-	0.0	-	0.0	0.0	-	-	10.3	0.0	-	-	-
77.0	55.0	-	26.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	65.0	-	0.0	-	11.0	0.0	-	-	0.0	0.0	-	-	-
80.0	51.0	-	5.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	60.0	-	0.0	-	20.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	42.0	-	10.9	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	0.0	11.4	-	0.0	0.0	-	-	0.0	0.0	-	-	-
83.0	55.0	0.0	0.0	-	24.2	0.0	-	-	0.0	0.0	-	-	-
83.0	60.0	36.0	0.0	-	0.0	0.0	0.0	-	11.2	0.0	-	-	-
83.0	70.0	118.4	0.0	-	0.0	10.3	0.0	-	0.0	0.0	-	-	-
83.0	90.0	-	10.5	-	0.0	-	0.0	-	0.0	0.0	-	-	-
87.0	40.0	0.0	0.0	-	17.5	0.0	0.0	-	0.0	0.0	-	-	-
87.0	45.0	0.0	0.0	-	0.0	0.0	10.4	-	0.0	0.0	-	-	-
87.0	55.0	0.0	20.5	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	80.0	0.0	5.3	0.0	-	-	0.0	-	0.0	0.0	-	-	-
90.0	29.0	0.0	5.5	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	30.0	0.0	0.0	10.9	-	0.0	0.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Bathylagus spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 31.0	0.0	0.0	0.0	–	0.0	0.0	–	0.0	11.0	–	–	–
90.0 33.0	0.0	0.0	12.4	–	0.0	0.0	–	0.0	0.0	–	–	–
90.0 37.0	0.0	0.0	0.0	–	90.1	0.0	–	0.0	0.0	–	–	–
90.0 45.0	0.0	0.0	22.3	–	0.0	0.0	0.0	–	–	–	–	–
90.0 53.0	0.0	10.0	0.0	–	0.0	0.0	0.0	–	0.0	–	–	–
90.0 70.0	0.0	5.3	0.0	–	0.0	0.0	0.0	–	0.0	–	–	–
90.0 100.0	–	0.0	0.0	–	0.0	–	5.4	–	0.0	–	–	–
93.0 28.0	0.0	24.5	5.9	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0 35.0	0.0	20.9	71.5	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0 55.0	0.0	0.0	0.0	5.2	–	0.0	0.0	–	0.0	–	–	–
93.0 60.0	5.3	0.0	0.0	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0 100.0	–	0.0	5.5	–	0.0	–	0.0	–	0.0	–	–	–
93.0 150.0	–	–	–	–	0.0	–	0.0	–	5.4	–	–	–
97.0 40.0	0.0	0.0	51.5	–	0.0	–	0.0	–	0.0	–	–	–
97.0 45.0	0.0	0.0	12.0	–	0.0	–	0.0	–	0.0	–	–	–
97.0 50.0	0.0	10.3	23.7	–	0.0	–	0.0	–	0.0	–	–	–
97.0 60.0	0.0	0.0	6.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0 30.0	0.0	0.0	5.3	–	0.0	–	0.0	–	0.0	–	–	–
100.0 60.0	0.0	10.6	0.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0 90.0	0.0	0.0	0.0	–	0.0	–	0.0	–	33.7	–	–	–
113.0 35.0	0.0	0.0	0.0	–	11.4	–	–	–	0.0	–	–	–
113.0 60.0	0.0	0.0	0.0	–	–	–	5.4	0.0	0.0	–	–	–

Bathylagus longirostris

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 190.0	–	–	–	–	5.4	–	0.0	–	–	–	–	–
90.0 200.0	–	–	–	–	5.2	–	0.0	–	–	–	–	–
93.0 150.0	–	–	–	–	0.0	–	0.0	–	5.4	–	–	–
93.0 170.0	–	–	–	–	0.0	–	5.2	–	–	–	–	–
93.0 200.0	–	–	–	–	5.0	–	0.0	–	–	–	–	–

Bathylagus milleri

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0 65.0	–	10.0	–	–	–	–	–	0.0	0.0	–	–	–
67.0 55.0	–	0.0	–	13.1	0.0	0.0	–	0.0	0.0	–	–	–
67.0 60.0	–	10.6	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
70.0 70.0	–	11.9	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
73.0 53.0	–	10.1	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
73.0 65.0	–	11.0	–	9.2	0.0	–	–	0.0	0.0	–	–	–
83.0 70.0	0.0	21.1	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–

TABLE 4. (cont.)

Bathylagus ochotensis

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	-	-	-	10.0	0.0	0.0	-	10.2	0.0	-	-	-
60.0	55.0	-	0.0	-	11.0	0.0	9.1	-	10.9	13.0	-	-	-
60.0	60.0	-	96.3	-	0.0	0.0	9.9	-	10.8	0.0	-	-	-
60.0	65.0	-	90.2	-	-	-	-	-	0.0	0.0	-	-	-
60.0	70.0	-	79.0	-	0.0	-	10.5	-	0.0	0.0	-	-	-
60.0	80.0	-	108.9	-	-	-	0.0	-	0.0	10.9	-	-	-
60.0	90.0	-	-	-	-	-	0.0	-	18.5	5.7	-	-	-
63.0	50.0	-	4.1	-	3.6	0.0	-	-	0.0	0.0	-	-	-
63.0	52.0	-	0.0	-	31.3	0.0	0.0	-	0.0	0.0	-	-	-
63.0	55.0	-	44.3	-	49.8	0.0	0.0	-	53.2	10.3	-	-	-
63.0	60.0	-	20.8	-	0.0	0.0	0.0	-	31.9	10.9	-	-	-
63.0	65.0	-	85.4	-	18.9	-	-	-	0.0	0.0	-	-	-
63.0	70.0	-	85.4	-	45.9	-	0.0	-	0.0	0.0	-	-	-
63.0	80.0	-	10.0	-	-	-	9.3	-	10.3	-	-	-	-
63.0	90.0	-	-	-	-	-	9.9	-	21.7	0.0	-	-	-
66.0	49.0	-	0.0	-	4.8	0.0	-	-	4.9	0.0	-	-	-
67.0	50.0	-	4.8	-	38.6	0.0	0.0	-	11.2	0.0	-	-	-
67.0	55.0	-	29.7	-	105.1	21.9	14.1	-	54.1	10.3	-	-	-
67.0	60.0	-	84.6	-	102.7	22.1	0.0	-	69.6	9.9	-	-	-
67.0	65.0	-	45.0	-	12.0	-	-	-	22.2	0.0	-	-	-
67.0	70.0	-	87.7	-	59.9	-	0.0	-	45.9	0.0	-	-	-
67.0	80.0	-	0.0	-	8.3	-	0.0	-	23.9	-	-	-	-
67.0	90.0	-	22.2	-	15.5	-	0.0	-	22.5	5.5	-	-	-
70.0	51.0	-	4.7	-	0.0	0.0	0.0	-	10.5	0.0	-	-	-
70.0	53.0	-	50.6	-	0.0	0.0	12.2	-	40.2	0.0	-	-	-
70.0	60.0	-	41.7	-	0.0	34.4	0.0	-	0.0	10.5	-	-	-
70.0	65.0	-	0.0	-	0.0	0.0	-	-	58.2	0.0	-	-	-
70.0	70.0	-	154.7	-	0.0	0.0	5.7	-	0.0	0.0	-	-	-
70.0	80.0	-	121.8	-	4.3	-	0.0	-	11.3	11.0	-	-	-
70.0	90.0	-	10.4	-	11.1	-	0.0	-	15.3	0.0	-	-	-
73.0	50.0	-	10.5	-	0.0	28.4	10.0	-	64.9	0.0	-	-	-
73.0	53.0	-	90.6	-	11.5	0.0	30.1	-	24.9	0.0	-	-	-
73.0	60.0	-	161.3	-	119.8	23.2	18.4	-	11.1	0.0	-	-	-
73.0	65.0	-	11.0	-	27.5	0.0	-	-	10.3	0.0	-	-	-
73.0	70.0	-	34.3	-	0.0	0.0	23.2	-	0.0	0.0	-	-	-
73.0	80.0	-	0.0	-	21.3	-	0.0	-	0.0	22.0	-	-	-
73.0	90.0	-	34.3	-	64.7	-	11.5	-	0.0	0.0	-	-	-
77.0	48.0	-	0.0	-	0.0	0.0	-	-	16.8	-	-	-	-
77.0	51.0	-	10.3	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	55.0	-	26.1	-	30.6	52.4	12.5	-	68.1	0.0	-	-	-
77.0	60.0	-	33.5	-	37.4	10.6	26.8	-	19.6	0.0	-	-	-
77.0	65.0	-	20.3	-	98.8	11.0	-	-	5.5	0.0	-	-	-
77.0	70.0	-	48.8	-	0.0	12.5	47.5	-	10.6	0.0	-	-	-
77.0	80.0	-	11.0	-	11.1	-	47.4	-	14.8	10.5	-	-	-
77.0	90.0	-	0.0	-	27.4	-	36.2	-	0.0	10.8	-	-	-
80.0	51.0	-	0.0	-	5.0	0.0	0.0	-	0.0	10.2	-	-	-

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	52.0	-	18.5	-	5.2	0.0	-	-	0.0	0.0	-	-	-
80.0	55.0	-	21.5	-	21.4	0.0	0.0	-	0.0	21.8	-	-	-
80.0	60.0	-	9.6	-	40.0	36.3	23.4	-	0.0	10.8	-	-	-
80.0	70.0	-	0.0	-	17.8	43.1	24.9	-	10.9	0.0	-	-	-
80.0	80.0	-	11.3	-	20.9	-	10.4	-	0.0	0.0	-	-	-
80.0	90.0	-	11.0	-	5.4	-	24.5	-	0.0	0.0	-	-	-
83.0	42.0	-	10.9	-	21.2	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	5.2	11.4	-	0.0	0.0	-	-	0.0	0.0	-	-	-
83.0	55.0	47.9	41.0	-	105.0	45.8	-	-	0.0	10.8	-	-	-
83.0	60.0	77.3	31.2	-	19.6	133.2	0.0	-	0.0	0.0	-	-	-
83.0	70.0	118.4	105.7	-	29.9	41.3	0.0	-	47.6	0.0	-	-	-
83.0	80.0	10.8	10.2	-	5.0	-	10.2	-	9.8	0.0	-	-	-
83.0	90.0	-	0.0	-	9.9	-	4.9	-	59.7	0.0	-	-	-
87.0	32.5	0.0	0.0	-	0.0	0.0	0.0	-	4.1	0.0	-	-	-
87.0	33.0	0.0	0.0	-	0.0	0.0	10.2	-	0.0	0.0	-	-	-
87.0	34.0	0.0	0.0	-	17.7	0.0	-	-	20.6	0.0	-	-	-
87.0	35.0	0.0	10.8	-	70.1	0.0	0.0	-	0.0	0.0	-	-	-
87.0	36.0	0.0	11.3	-	22.2	0.0	-	-	11.8	0.0	-	-	-
87.0	40.0	5.6	17.3	-	29.1	10.6	0.0	-	0.0	0.0	-	-	-
87.0	45.0	11.2	32.7	-	0.0	0.0	10.4	-	0.0	0.0	-	-	-
87.0	50.0	19.7	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	55.0	19.7	41.0	65.9	-	95.5	0.0	-	0.0	0.0	-	-	-
87.0	60.0	12.6	0.0	24.2	-	90.6	10.6	-	0.0	0.0	-	-	-
87.0	70.0	6.0	136.2	258.8	-	48.6	15.4	-	0.0	0.0	-	-	-
87.0	80.0	0.0	5.3	5.7	-	-	5.0	-	0.0	0.0	-	-	-
87.0	90.0	-	35.9	0.0	-	-	0.0	-	8.8	0.0	-	-	-
90.0	28.0	0.0	5.7	22.0	-	0.0	9.0	-	0.0	0.0	-	-	-
90.0	29.0	0.0	33.1	83.4	-	9.7	0.0	-	0.0	0.0	-	-	-
90.0	30.0	37.7	83.8	76.5	-	10.8	53.4	-	12.0	0.0	-	-	-
90.0	31.0	39.0	52.2	12.4	-	0.0	88.9	-	0.0	0.0	-	-	-
90.0	33.0	0.0	36.1	98.9	-	11.4	128.1	-	10.0	0.0	-	-	-
90.0	37.0	19.8	10.5	94.6	-	0.0	0.0	-	24.3	0.0	-	-	-
90.0	45.0	78.3	20.2	0.0	-	21.5	0.0	0.0	-	-	-	-	-
90.0	53.0	0.0	40.1	60.1	-	10.7	49.1	24.5	-	11.9	-	-	-
90.0	60.0	5.1	11.0	24.6	-	33.5	10.8	5.4	-	0.0	-	-	-
90.0	70.0	5.4	5.3	0.0	-	0.0	0.0	15.7	-	5.7	-	-	-
90.0	80.0	0.0	0.0	11.6	-	10.4	0.0	0.0	-	0.0	-	-	-
90.0	90.0	-	0.0	23.6	-	0.0	5.2	0.0	-	0.0	-	-	-
90.0	100.0	-	21.9	0.0	-	5.0	-	0.0	-	0.0	-	-	-
93.0	26.9	0.0	0.0	5.4	0.0	-	5.3	-	0.0	-	-	-	-
93.0	28.0	10.0	24.5	47.2	0.0	-	19.6	10.6	-	0.0	-	-	-
93.0	29.0	5.6	38.0	18.1	38.9	-	-	12.5	-	0.0	-	-	-
93.0	30.0	0.0	71.0	139.4	36.1	-	0.0	23.3	-	0.0	-	-	-
93.0	35.0	0.0	31.4	102.1	121.4	-	63.1	50.5	-	0.0	-	-	-
93.0	40.0	0.0	47.8	0.0	0.0	-	11.5	33.3	-	0.0	-	-	-
93.0	45.0	0.0	33.2	0.0	160.3	-	23.5	30.3	-	0.0	-	-	-

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	50.0	10.1	4.9	12.2	38.1	-	57.4	22.2	-	11.8	-	-	-
93.0	55.0	5.2	0.0	7.4	72.9	-	9.5	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	10.6	-	0.0	10.6	-	5.2	-	-	-
93.0	70.0	0.0	3.9	32.7	25.2	-	0.0	0.0	-	10.7	-	-	-
93.0	80.0	0.0	0.0	11.6	-	0.0	0.0	0.0	-	5.9	-	-	-
93.0	90.0	-	15.9	6.3	-	5.6	0.0	0.0	-	0.0	-	-	-
93.0	100.0	-	0.0	5.5	-	0.0	-	0.0	-	0.0	-	-	-
97.0	32.0	15.5	0.0	58.5	-	35.9	-	28.4	-	0.0	-	-	-
97.0	35.0	21.5	34.6	17.0	-	53.9	-	14.5	-	0.0	-	-	-
97.0	40.0	10.9	98.8	205.8	-	48.8	-	28.4	-	0.0	-	-	-
97.0	45.0	0.0	51.9	30.0	-	18.4	-	35.1	-	11.4	-	-	-
97.0	50.0	12.3	0.0	136.2	-	10.1	-	12.3	-	0.0	-	-	-
97.0	55.0	9.6	4.8	0.0	-	26.6	-	5.7	-	0.0	-	-	-
97.0	60.0	19.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	70.0	-	0.0	5.5	-	0.0	-	0.0	-	0.0	-	-	-
97.0	80.0	-	0.0	17.4	-	0.0	0.0	-	-	0.0	-	-	-
100.0	29.0	0.0	5.2	10.4	-	0.0	-	4.4	-	0.0	-	-	-
100.0	30.0	0.0	0.0	0.0	-	63.8	-	0.0	-	0.0	-	-	-
100.0	35.0	0.0	5.3	30.3	-	52.9	-	36.8	-	0.0	-	-	-
100.0	40.0	0.0	38.5	16.2	-	24.1	-	10.1	-	0.0	-	-	-
100.0	45.0	0.0	30.1	53.3	-	10.4	-	0.0	-	25.1	-	-	-
100.0	50.0	0.0	0.0	59.0	-	0.0	-	0.0	-	11.3	-	-	-
100.0	60.0	0.0	0.0	5.7	-	5.7	-	0.0	-	6.2	-	-	-
100.0	80.0	0.0	0.0	11.2	-	0.0	-	0.0	-	5.6	-	-	-
103.0	30.0	0.0	0.0	0.0	-	24.9	-	0.0	-	0.0	-	-	-
103.0	35.0	0.0	-	22.1	-	40.0	-	5.9	-	0.0	-	-	-
103.0	40.0	0.0	-	16.7	-	10.5	-	17.7	-	0.0	-	-	-
103.0	45.0	0.0	-	15.3	-	0.0	-	16.0	-	0.0	-	-	-
103.0	50.0	0.0	0.0	14.9	-	63.0	-	14.7	-	0.0	-	-	-
103.0	60.0	0.0	0.0	0.0	-	-	-	8.0	-	0.0	-	-	-
103.0	70.0	0.0	4.3	5.1	-	-	-	0.0	-	0.0	-	-	-
103.0	80.0	0.0	0.0	5.1	-	-	-	0.0	-	0.0	-	-	-
107.0	32.0	5.6	16.8	0.0	-	35.1	-	0.0	0.0	0.0	-	-	-
107.0	35.0	10.7	9.3	0.0	-	22.1	-	0.0	0.0	0.0	-	-	-
107.0	40.0	0.0	0.0	10.8	-	16.3	-	31.5	-	0.0	-	-	-
107.0	45.0	0.0	19.0	0.0	-	23.0	-	-	-	0.0	-	-	-
107.0	50.0	0.0	0.0	39.9	-	0.0	-	10.6	-	0.0	-	-	-
110.0	35.0	0.0	0.0	5.3	-	33.8	-	0.0	0.0	0.0	-	-	-
110.0	40.0	0.0	5.7	0.0	-	32.6	-	0.0	5.3	0.0	-	-	-
110.0	50.0	0.0	0.0	0.0	-	10.7	-	16.2	0.0	0.0	-	-	-
113.0	40.0	0.0	0.0	0.0	-	11.6	-	-	0.0	0.0	-	-	-
113.0	70.0	-	0.0	0.0	-	-	-	5.3	-	0.0	-	-	-
113.0	80.0	-	0.0	0.0	-	-	-	5.1	-	0.0	-	-	-

TABLE 4. (cont.)

Bathylagus pacificus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	65.0	-	30.1	-	-	-	-	-	0.0	0.0	-	-	-
60.0	70.0	-	6.1	-	7.7	-	0.0	-	0.0	0.0	-	-	-
60.0	80.0	-	5.7	-	-	-	0.0	-	0.0	0.0	-	-	-
63.0	55.0	-	33.2	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	60.0	-	20.8	-	10.2	11.4	0.0	-	0.0	0.0	-	-	-
67.0	55.0	-	9.9	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
67.0	60.0	-	42.3	-	14.7	0.0	0.0	-	0.0	0.0	-	-	-
67.0	70.0	-	12.5	-	0.0	-	10.6	-	0.0	0.0	-	-	-
67.0	90.0	-	0.0	-	5.2	-	0.0	-	0.0	0.0	-	-	-
70.0	53.0	-	50.6	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
70.0	60.0	-	0.0	-	9.2	0.0	0.0	-	0.0	0.0	-	-	-
70.0	65.0	-	0.0	-	0.0	10.3	-	-	0.0	0.0	-	-	-
70.0	70.0	-	11.9	-	10.5	0.0	0.0	-	0.0	0.0	-	-	-
70.0	90.0	-	5.2	-	0.0	-	0.0	-	0.0	0.0	-	-	-
73.0	53.0	-	20.1	-	11.5	0.0	12.0	-	0.0	0.0	-	-	-
73.0	65.0	-	11.0	-	9.2	0.0	-	-	0.0	0.0	-	-	-
73.0	70.0	-	0.0	-	0.0	10.4	0.0	-	0.0	0.0	-	-	-
73.0	90.0	-	0.0	-	24.9	-	0.0	-	0.0	0.0	-	-	-
77.0	51.0	-	0.0	-	10.9	0.0	0.0	-	0.0	0.0	-	-	-
77.0	55.0	-	13.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	60.0	-	11.2	-	0.0	10.6	0.0	-	0.0	0.0	-	-	-
77.0	65.0	-	20.3	-	22.0	0.0	-	-	0.0	0.0	-	-	-
77.0	80.0	-	0.0	-	11.1	-	0.0	-	0.0	0.0	-	-	-
77.0	90.0	-	0.0	-	16.5	-	0.0	-	0.0	0.0	-	-	-
80.0	51.0	-	5.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	70.0	-	0.0	-	35.6	0.0	12.5	-	0.0	0.0	-	-	-
80.0	90.0	-	0.0	-	5.4	-	0.0	-	0.0	0.0	-	-	-
83.0	80.0	0.0	0.0	-	5.0	-	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	5.8	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	37.0	0.0	0.0	0.0	-	11.3	0.0	-	0.0	0.0	-	-	-
100.0	50.0	0.0	0.0	14.8	-	0.0	-	0.0	-	0.0	-	-	-
110.0	45.0	0.0	0.0	0.0	-	11.1	-	0.0	-	0.0	-	-	-

Bathylagus wesethi

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	90.0	-	-	-	-	-	0.0	-	4.6	0.0	-	-	-
63.0	90.0	-	-	-	-	-	0.0	-	0.0	11.2	-	-	-
67.0	60.0	-	0.0	-	0.0	0.0	0.0	-	0.0	9.9	-	-	-
67.0	90.0	-	0.0	-	0.0	-	0.0	-	0.0	11.1	-	-	-
70.0	70.0	-	0.0	-	0.0	10.9	17.0	-	10.9	0.0	-	-	-
70.0	80.0	-	0.0	-	0.0	-	16.2	-	90.3	0.0	-	-	-
70.0	90.0	-	0.0	-	0.0	-	34.6	-	239.7	121.9	-	-	-
73.0	50.0	-	0.0	-	0.0	0.0	0.0	-	19.8	0.0	-	-	-
73.0	53.0	-	0.0	-	0.0	0.0	0.0	-	37.3	0.0	-	-	-

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0 60.0	-	0.0	-	0.0	0.0	12.3	-	22.2	0.0	-	-	-
73.0 65.0	-	0.0	-	0.0	0.0	-	-	35.9	20.7	-	-	-
73.0 70.0	-	0.0	-	0.0	0.0	0.0	-	19.8	22.3	-	-	-
73.0 80.0	-	0.0	-	0.0	-	6.1	-	122.2	0.0	-	-	-
73.0 90.0	-	0.0	-	0.0	-	22.9	-	0.0	0.0	-	-	-
77.0 65.0	-	0.0	-	0.0	0.0	-	-	21.8	10.5	-	-	-
77.0 70.0	-	0.0	-	0.0	0.0	0.0	-	21.1	0.0	-	-	-
77.0 80.0	-	0.0	-	0.0	-	5.9	-	14.8	10.5	-	-	-
77.0 90.0	-	0.0	-	0.0	-	12.1	-	153.4	10.8	-	-	-
80.0 55.0	-	0.0	-	0.0	0.0	0.0	-	0.0	21.8	-	-	-
80.0 60.0	-	0.0	-	0.0	0.0	0.0	-	0.0	10.8	-	-	-
80.0 90.0	-	0.0	-	0.0	-	0.0	-	25.5	0.0	-	-	-
83.0 60.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	65.6	-	-	-
83.0 90.0	-	0.0	-	0.0	-	0.0	-	41.3	98.3	-	-	-
87.0 55.0	0.0	0.0	12.0	-	11.9	12.4	-	0.0	0.0	-	-	-
87.0 60.0	0.0	0.0	0.0	-	0.0	0.0	-	10.7	10.8	-	-	-
87.0 70.0	6.0	0.0	5.8	-	0.0	10.3	-	10.1	16.2	-	-	-
87.0 80.0	0.0	0.0	0.0	-	-	24.9	-	15.5	88.8	-	-	-
87.0 90.0	-	0.0	6.0	-	-	66.7	-	193.2	104.1	-	-	-
90.0 27.6	0.0	0.0	0.0	-	0.0	9.4	-	0.0	0.0	-	-	-
90.0 33.0	0.0	0.0	0.0	-	0.0	0.0	-	10.0	0.0	-	-	-
90.0 60.0	0.0	0.0	12.3	-	4.8	0.0	0.0	-	0.0	-	-	-
90.0 70.0	0.0	5.3	17.6	-	9.1	46.7	0.0	-	22.7	-	-	-
90.0 80.0	0.0	0.0	17.5	-	0.0	69.3	42.2	-	37.6	-	-	-
90.0 90.0	-	0.0	0.0	-	10.4	31.1	124.2	-	5.5	-	-	-
90.0 100.0	-	0.0	5.5	-	30.1	-	257.8	-	149.4	-	-	-
90.0 110.0	-	-	-	-	41.8	-	82.0	-	99.8	-	-	-
90.0 120.0	-	-	-	-	56.0	-	300.4	-	229.2	-	-	-
90.0 130.0	-	-	-	-	40.0	-	16.8	-	200.5	-	-	-
90.0 140.0	-	-	-	-	36.5	-	0.0	-	16.0	-	-	-
90.0 150.0	-	-	-	-	5.2	-	42.8	-	0.0	-	-	-
90.0 160.0	-	-	-	-	0.0	-	40.8	-	5.2	-	-	-
90.0 170.0	-	-	-	-	0.0	-	5.1	-	-	-	-	-
93.0 30.0	0.0	5.9	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 35.0	0.0	0.0	0.0	0.0	-	0.0	10.1	-	5.8	-	-	-
93.0 40.0	0.0	0.0	0.0	0.0	-	11.5	22.2	-	0.0	-	-	-
93.0 45.0	0.0	0.0	0.0	0.0	-	0.0	10.1	-	0.0	-	-	-
93.0 50.0	0.0	4.9	55.1	5.4	-	9.6	11.1	-	0.0	-	-	-
93.0 55.0	0.0	5.3	22.3	10.4	-	28.4	67.2	-	11.4	-	-	-
93.0 60.0	0.0	0.0	16.2	15.8	-	159.6	37.0	-	0.0	-	-	-
93.0 70.0	5.4	0.0	0.0	15.1	-	29.3	11.2	-	10.7	-	-	-
93.0 80.0	43.0	0.0	40.6	-	23.4	10.3	101.4	-	23.8	-	-	-
93.0 90.0	-	0.0	0.0	-	5.6	49.2	15.4	-	108.6	-	-	-
93.0 100.0	-	0.0	49.3	-	16.7	-	99.0	-	383.6	-	-	-
93.0 110.0	-	-	-	-	0.0	-	16.2	-	0.0	-	-	-
93.0 120.0	-	-	-	-	10.6	-	20.8	-	191.9	-	-	-

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0 130.0	-	-	-	-	0.0	-	0.0	-	127.2	-	-	-
93.0 170.0	-	-	-	-	0.0	-	5.2	-	-	-	-	-
97.0 40.0	0.0	0.0	0.0	-	0.0	-	26.6	-	0.0	-	-	-
97.0 45.0	0.0	0.0	0.0	-	9.2	-	45.1	-	0.0	-	-	-
97.0 50.0	24.6	20.6	5.9	-	15.2	-	57.8	-	0.0	-	-	-
97.0 55.0	0.0	9.6	32.8	-	5.3	-	73.7	-	0.0	-	-	-
97.0 60.0	9.5	0.0	18.1	-	25.2	-	104.3	-	0.0	-	-	-
97.0 70.0	-	5.0	10.9	-	83.5	-	55.1	-	0.0	-	-	-
97.0 80.0	-	0.0	34.7	-	33.9	50.1	-	-	24.7	-	-	-
97.0 90.0	-	0.0	21.6	-	21.0	15.1	-	-	0.0	-	-	-
97.0 100.0	-	-	-	-	9.3	-	-	-	23.2	-	-	-
100.0 35.0	0.0	0.0	0.0	-	10.6	-	50.6	-	0.0	-	-	-
100.0 40.0	20.5	4.8	0.0	-	0.0	-	11.7	-	0.0	-	-	-
100.0 45.0	10.1	0.0	5.3	-	41.7	-	0.0	-	0.0	-	-	-
100.0 50.0	0.0	0.0	14.8	-	23.0	-	96.8	-	22.5	-	-	-
100.0 60.0	5.7	10.6	11.3	-	51.0	-	126.7	-	31.1	-	-	-
100.0 70.0	20.3	9.1	15.7	-	-	-	56.1	-	6.1	-	-	-
100.0 80.0	23.3	23.2	0.0	-	35.0	-	15.5	-	5.6	-	-	-
100.0 90.0	7.8	0.0	23.2	-	5.2	-	0.0	-	0.0	-	-	-
100.0 100.0	-	-	-	-	27.2	-	-	-	17.3	-	-	-
103.0 35.0	0.0	-	0.0	-	0.0	-	5.9	-	0.0	-	-	-
103.0 40.0	19.1	-	0.0	-	10.5	-	12.2	-	0.0	-	-	-
103.0 45.0	12.5	-	0.0	-	36.1	-	11.4	-	0.0	-	-	-
103.0 50.0	12.9	0.0	0.0	-	0.0	-	40.1	-	0.0	-	-	-
103.0 60.0	11.7	18.6	32.5	-	-	-	168.6	-	12.0	-	-	-
103.0 70.0	5.9	12.9	15.2	-	-	-	36.7	-	0.0	-	-	-
103.0 80.0	5.6	28.4	15.2	-	-	-	7.9	-	18.5	-	-	-
103.0 90.0	-	-	-	-	-	-	0.0	-	6.3	-	-	-
107.0 35.0	0.0	0.0	0.0	-	11.0	-	0.0	0.0	0.0	-	-	-
107.0 40.0	0.0	0.0	0.0	-	16.3	-	21.0	-	6.8	-	-	-
107.0 45.0	0.0	28.6	0.0	-	57.5	-	-	-	12.7	-	-	-
107.0 50.0	23.0	9.3	10.0	-	150.9	-	19.9	-	0.0	-	-	-
107.0 60.0	0.0	0.0	21.9	-	-	-	82.2	-	6.1	-	-	-
107.0 70.0	-	12.3	5.4	-	-	-	2.7	-	0.0	-	-	-
107.0 80.0	-	21.4	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0 90.0	-	-	-	-	-	-	5.4	-	0.0	-	-	-
110.0 35.0	0.0	5.8	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0 40.0	4.9	5.7	15.4	-	10.9	-	0.0	0.0	0.0	-	-	-
110.0 50.0	0.0	0.0	0.0	-	21.4	-	16.2	19.7	0.0	-	-	-
110.0 60.0	5.3	0.0	25.9	-	-	-	0.0	-	0.0	-	-	-
110.0 70.0	-	36.8	43.8	-	-	-	15.9	-	17.6	-	-	-
110.0 80.0	-	20.0	5.2	-	-	-	5.4	-	0.0	-	-	-
110.0 90.0	-	-	-	-	-	-	-	-	11.6	-	-	-
113.0 35.0	0.0	8.5	5.1	-	0.0	-	-	-	0.0	-	-	-
113.0 40.0	0.0	0.0	0.0	-	0.0	-	-	5.6	0.0	-	-	-
113.0 50.0	0.0	0.0	0.0	-	36.4	-	64.9	0.0	61.7	-	-	-

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	60.0	0.0	8.8	0.0	-	-	-	16.2	31.1	12.6	-	-	-
113.0	70.0	-	0.0	21.6	-	-	-	42.5	-	0.0	-	-	-
113.0	80.0	-	3.9	0.0	-	-	-	5.1	-	5.8	-	-	-
113.0	90.0	-	-	-	-	-	-	-	5.1	17.8	-	-	-
117.0	45.0	-	0.0	0.0	-	-	-	-	24.4	10.7	-	-	-
117.0	50.0	-	0.0	0.0	-	-	-	-	10.9	12.5	-	-	-
117.0	60.0	-	18.2	0.0	-	-	-	-	11.2	5.7	-	-	-
117.0	70.0	-	0.0	20.4	-	-	-	-	0.0	94.4	-	-	-
117.0	80.0	-	0.0	0.0	-	-	-	-	17.0	6.3	-	-	-
120.0	50.0	-	0.0	-	0.0	-	-	-	9.8	6.1	-	-	-
120.0	60.0	-	0.0	-	0.0	-	-	-	16.9	0.0	-	-	-
120.0	70.0	-	0.0	-	0.0	-	-	-	0.0	19.4	-	-	-
120.0	80.0	-	0.0	-	0.0	-	-	-	40.0	0.0	-	-	-
123.0	42.0	-	0.0	-	-	-	-	-	-	27.9	-	-	-
123.0	45.0	-	0.0	-	0.0	-	-	-	-	18.1	-	-	-
123.0	50.0	-	0.0	-	4.9	-	-	-	0.0	6.2	-	-	-
123.0	60.0	-	0.0	-	0.0	-	-	-	6.1	0.0	-	-	-
127.0	40.0	-	-	-	0.0	-	-	-	11.2	0.0	-	-	-
127.0	45.0	-	0.0	-	0.0	-	-	-	33.8	0.0	-	-	-
127.0	50.0	-	0.0	-	0.0	-	-	-	46.8	0.0	-	-	-
127.0	60.0	-	0.0	-	-	-	-	-	5.9	68.2	-	-	-
137.0	50.0	-	0.0	-	0.0	-	-	-	5.6	12.9	-	-	-

Leuroglossus stilbius

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	52.0	-	0.0	-	7.8	0.0	0.0	-	0.0	0.0	-	-	-
63.0	55.0	-	33.2	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	70.0	-	48.8	-	0.0	-	0.0	-	0.0	0.0	-	-	-
67.0	50.0	-	0.0	-	12.9	0.0	0.0	-	0.0	0.0	-	-	-
67.0	55.0	-	9.9	-	13.1	0.0	0.0	-	0.0	0.0	-	-	-
67.0	70.0	-	50.1	-	0.0	-	0.0	-	0.0	0.0	-	-	-
67.0	80.0	-	0.0	-	0.0	-	12.2	-	0.0	-	-	-	-
70.0	51.0	-	0.0	-	10.8	0.0	0.0	-	10.5	0.0	-	-	-
70.0	53.0	-	0.0	-	0.0	0.0	49.0	-	10.0	0.0	-	-	-
70.0	70.0	-	0.0	-	0.0	0.0	5.7	-	0.0	0.0	-	-	-
73.0	53.0	-	0.0	-	69.1	0.0	24.0	-	0.0	0.0	-	-	-
73.0	60.0	-	10.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	65.0	-	0.0	-	18.3	0.0	-	-	0.0	0.0	-	-	-
73.0	70.0	-	8.6	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	51.0	-	0.0	-	54.6	10.4	43.2	-	0.0	10.5	-	-	-
77.0	55.0	-	156.8	-	40.8	0.0	12.5	-	11.3	9.6	-	-	-
77.0	60.0	-	67.0	-	62.3	0.0	0.0	-	0.0	0.0	-	-	-
77.0	65.0	-	20.3	-	32.9	0.0	-	-	0.0	0.0	-	-	-
77.0	70.0	-	36.6	-	11.1	0.0	0.0	-	0.0	10.9	-	-	-

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	51.0	-	0.0	-	5.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	52.0	-	437.4	-	191.7	11.4	-	-	10.1	22.4	-	-	-
80.0	55.0	-	42.9	-	74.8	11.0	0.0	-	19.9	0.0	-	-	-
80.0	60.0	-	0.0	-	30.0	0.0	0.0	-	10.1	0.0	-	-	-
80.0	70.0	-	0.0	-	0.0	0.0	12.5	-	0.0	0.0	-	-	-
82.0	47.0	-	417.4	-	117.6	11.6	-	-	24.1	0.0	-	-	-
83.0	42.0	-	201.3	-	5.3	0.0	0.0	-	0.0	12.2	-	-	-
83.0	51.0	10.3	0.0	-	0.0	138.6	-	-	0.0	10.3	-	-	-
83.0	55.0	443.2	133.4	-	145.4	148.8	-	-	13.5	10.8	-	-	-
83.0	60.0	41.2	10.4	-	29.4	9.5	0.0	-	11.2	0.0	-	-	-
83.0	70.0	26.9	10.6	-	10.0	31.0	10.3	-	0.0	0.0	-	-	-
87.0	34.0	4.8	14.9	-	4.4	0.0	-	-	0.0	0.0	-	-	-
87.0	35.0	164.7	172.8	-	439.5	0.0	19.9	-	0.0	0.0	-	-	-
87.0	36.0	87.4	50.7	-	355.8	61.7	-	-	0.0	0.0	-	-	-
87.0	40.0	152.3	115.4	-	867.2	106.1	12.2	-	0.0	11.3	-	-	-
87.0	45.0	595.7	185.3	-	386.1	59.4	10.4	-	0.0	0.0	-	-	-
87.0	50.0	19.7	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	55.0	373.8	20.5	18.0	-	0.0	24.7	-	0.0	0.0	-	-	-
87.0	70.0	6.0	41.9	0.0	-	5.4	0.0	-	0.0	0.0	-	-	-
90.0	28.0	11.5	5.7	44.1	-	83.5	0.0	-	0.0	0.0	-	-	-
90.0	29.0	61.4	55.1	111.3	-	48.3	37.3	-	10.3	0.0	-	-	-
90.0	30.0	12.6	83.8	196.7	-	96.8	32.1	-	0.0	0.0	-	-	-
90.0	31.0	29.2	104.4	174.2	-	38.1	33.4	-	0.0	0.0	-	-	-
90.0	33.0	85.0	361.2	692.3	-	45.8	23.3	-	0.0	0.0	-	-	-
90.0	37.0	9.9	204.0	413.7	-	0.0	0.0	-	12.1	0.0	-	-	-
90.0	45.0	313.1	242.4	648.0	-	43.0	23.2	10.9	-	-	-	-	-
90.0	53.0	9.1	40.1	132.2	-	0.0	0.0	12.3	-	11.9	-	-	-
90.0	60.0	0.0	0.0	12.3	-	0.0	0.0	5.4	-	0.0	-	-	-
90.0	70.0	21.8	0.0	0.0	-	0.0	0.0	0.0	-	5.7	-	-	-
93.0	26.9	5.3	9.9	0.0	0.0	-	5.3	-	0.0	-	-	-	-
93.0	28.0	0.0	12.2	112.1	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	29.0	11.2	5.4	30.1	38.9	-	-	12.5	-	0.0	-	-	-
93.0	30.0	10.2	0.0	228.1	54.1	-	0.0	0.0	-	0.0	-	-	-
93.0	35.0	65.2	115.1	459.5	55.2	-	37.8	0.0	-	0.0	-	-	-
93.0	40.0	26.2	47.8	169.2	60.1	-	11.5	0.0	-	0.0	-	-	-
93.0	45.0	0.0	22.1	196.7	0.0	-	23.5	0.0	-	0.0	-	-	-
93.0	50.0	0.0	4.9	55.1	16.3	-	28.7	0.0	-	0.0	-	-	-
93.0	55.0	0.0	0.0	7.4	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	5.3	-	0.0	0.0	-	0.0	-	-	-
93.0	70.0	0.0	3.9	5.4	0.0	-	0.0	0.0	-	5.4	-	-	-
93.0	130.0	-	-	-	-	0.0	-	0.0	-	5.5	-	-	-
97.0	32.0	0.0	28.2	11.7	-	80.7	-	17.3	-	17.9	-	-	-
97.0	35.0	10.7	93.9	5.7	-	18.0	-	15.7	-	0.0	-	-	-
97.0	40.0	0.0	109.8	452.8	-	117.2	-	12.5	-	0.0	-	-	-
97.0	45.0	0.0	145.3	174.0	-	0.0	-	16.2	-	0.0	-	-	-
97.0	50.0	12.3	0.0	77.0	-	0.0	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0 55.0	0.0	0.0	0.0	-	10.7	-	5.7	-	0.0	-	-	-
97.0 60.0	0.0	0.0	0.0	-	8.4	-	0.0	-	0.0	-	-	-
100.0 29.0	0.0	0.0	0.0	-	19.8	-	0.0	-	0.0	-	-	-
100.0 30.0	0.0	0.0	5.3	-	36.4	-	5.0	-	13.3	-	-	-
100.0 35.0	0.0	47.9	5.1	-	31.7	-	0.0	-	0.0	-	-	-
100.0 40.0	0.0	0.0	5.4	-	36.1	-	0.0	-	0.0	-	-	-
103.0 30.0	0.0	0.0	0.0	-	5.0	-	0.0	-	0.0	-	-	-
103.0 35.0	0.0	-	0.0	-	0.0	-	5.3	-	0.0	-	-	-
103.0 40.0	0.0	-	5.6	-	0.0	-	0.0	-	0.0	-	-	-
103.0 45.0	0.0	-	5.1	-	12.0	-	5.7	-	0.0	-	-	-
107.0 32.0	0.0	0.0	0.0	-	43.9	-	0.0	0.0	11.7	-	-	-
107.0 35.0	0.0	0.0	0.0	-	11.0	-	0.0	0.0	10.4	-	-	-
107.0 40.0	0.0	0.0	0.0	-	0.0	-	10.5	-	0.0	-	-	-
110.0 32.4	0.0	0.0	0.0	-	39.5	-	0.0	0.0	0.0	-	-	-
110.0 35.0	0.0	0.0	0.0	-	33.8	-	0.0	4.9	0.0	-	-	-
110.0 45.0	0.0	0.0	0.0	-	0.0	-	11.0	-	0.0	-	-	-
110.0 50.0	0.0	11.1	0.0	-	10.7	-	0.0	0.0	0.0	-	-	-
110.0 60.0	0.0	0.0	0.0	-	-	-	0.0	-	9.6	-	-	-
113.0 40.0	0.0	4.7	0.0	-	23.3	-	-	0.0	0.0	-	-	-
113.0 80.0	-	0.0	0.0	-	-	-	5.1	-	0.0	-	-	-
117.0 40.0	-	0.0	0.0	-	-	-	-	12.9	0.0	-	-	-
123.0 45.0	-	0.0	-	4.6	-	-	-	-	0.0	-	-	-
130.0 35.0	-	0.0	-	10.6	-	-	-	0.0	0.0	-	-	-
133.0 30.0	-	0.0	-	4.9	-	-	-	0.0	0.0	-	-	-
137.0 30.0	-	33.1	-	0.0	-	-	-	11.3	0.0	-	-	-
137.0 35.0	-	5.4	-	5.3	-	-	-	0.0	0.0	-	-	-

Osmeridae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0 50.0	-	4.7	-	0.0	0.0	-	-	0.0	0.0	-	-	-

Stomiiformes

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 53.0	0.0	5.0	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0 160.0	-	-	-	-	10.6	-	0.0	-	0.0	-	-	-
93.0 110.0	-	-	-	-	0.0	-	21.6	-	0.0	-	-	-
93.0 140.0	-	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0 190.0	-	-	-	-	5.3	-	0.0	-	-	-	-	-

TABLE 4. (cont.)

Gonostomatidae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	–	–	–	0.0	0.0	12.1	–	0.0	0.0	–	–	–
73.0	70.0	–	0.0	–	0.0	0.0	0.0	–	0.0	5.6	–	–	–
80.0	90.0	–	0.0	–	0.0	–	0.0	–	0.0	11.4	–	–	–
87.0	60.0	0.0	0.0	0.0	–	11.3	0.0	–	0.0	0.0	–	–	–
87.0	90.0	–	0.0	0.0	–	–	5.1	–	0.0	5.5	–	–	–
90.0	130.0	–	–	–	–	0.0	–	5.6	–	0.0	–	–	–
90.0	180.0	–	–	–	–	5.5	–	0.0	–	0.0	–	–	–
90.0	200.0	–	–	–	–	5.2	–	0.0	–	–	–	–	–
93.0	50.0	0.0	4.9	0.0	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0	160.0	–	–	–	–	0.0	–	0.0	–	5.3	–	–	–
93.0	200.0	–	–	–	–	0.0	–	10.4	–	–	–	–	–
97.0	60.0	0.0	5.7	0.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0	70.0	5.1	0.0	0.0	–	–	–	0.0	–	0.0	–	–	–
100.0	80.0	0.0	0.0	0.0	–	5.0	–	0.0	–	0.0	–	–	–
100.0	90.0	0.0	0.0	0.0	–	0.0	–	5.1	–	0.0	–	–	–
100.0	100.0	–	–	–	–	4.5	–	–	–	0.0	–	–	–
110.0	40.0	0.0	0.0	5.1	–	0.0	–	0.0	0.0	0.0	–	–	–
113.0	40.0	0.0	0.0	0.0	–	11.6	–	–	0.0	0.0	–	–	–
113.0	50.0	0.0	10.7	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
113.0	80.0	–	0.0	0.0	–	–	–	0.0	–	5.8	–	–	–
113.0	90.0	–	–	–	–	–	–	–	0.0	5.9	–	–	–
117.0	70.0	–	0.0	0.0	–	–	–	–	5.9	0.0	–	–	–
133.0	60.0	–	0.0	–	0.0	–	–	–	6.0	0.0	–	–	–

Cyclothone spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	80.0	–	0.0	–	–	–	0.0	–	5.3	0.0	–	–	–
60.0	90.0	–	–	–	–	–	0.0	–	9.2	0.0	–	–	–
63.0	55.0	–	0.0	–	0.0	0.0	0.0	–	0.0	10.3	–	–	–
63.0	80.0	–	10.0	–	–	–	0.0	–	0.0	–	–	–	–
63.0	90.0	–	–	–	–	–	0.0	–	0.0	11.2	–	–	–
67.0	60.0	–	0.0	–	14.7	0.0	0.0	–	0.0	9.9	–	–	–
67.0	80.0	–	0.0	–	16.5	–	0.0	–	0.0	–	–	–	–
67.0	90.0	–	0.0	–	0.0	–	0.0	–	0.0	5.5	–	–	–
70.0	70.0	–	0.0	–	0.0	0.0	17.0	–	0.0	0.0	–	–	–
70.0	80.0	–	0.0	–	0.0	–	59.3	–	0.0	0.0	–	–	–
70.0	90.0	–	0.0	–	5.6	–	17.3	–	5.1	15.9	–	–	–
73.0	60.0	–	0.0	–	0.0	0.0	30.7	–	22.2	0.0	–	–	–
73.0	65.0	–	0.0	–	0.0	0.0	–	–	15.4	0.0	–	–	–
73.0	70.0	–	0.0	–	0.0	10.4	0.0	–	24.8	5.6	–	–	–
73.0	80.0	–	0.0	–	0.0	–	18.2	–	5.1	0.0	–	–	–
73.0	90.0	–	0.0	–	0.0	–	5.7	–	4.9	38.5	–	–	–
77.0	60.0	–	0.0	–	0.0	0.0	0.0	–	0.0	11.4	–	–	–
77.0	65.0	–	0.0	–	0.0	0.0	–	–	5.5	0.0	–	–	–

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
77.0 80.0	-	0.0	-	0.0	-	11.9	-	0.0	0.0	-	-	-
77.0 90.0	-	0.0	-	0.0	-	24.1	-	38.4	5.4	-	-	-
80.0 60.0	-	0.0	-	0.0	0.0	0.0	-	0.0	10.8	-	-	-
83.0 70.0	0.0	0.0	-	0.0	0.0	10.3	-	0.0	0.0	-	-	-
83.0 80.0	0.0	0.0	-	5.0	-	0.0	-	0.0	0.0	-	-	-
83.0 90.0	-	0.0	-	0.0	-	0.0	-	9.2	23.1	-	-	-
87.0 70.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	21.6	-	-	-
87.0 80.0	0.0	0.0	5.7	-	-	0.0	-	0.0	16.7	-	-	-
87.0 90.0	-	10.3	0.0	-	-	15.4	-	17.6	16.4	-	-	-
90.0 53.0	0.0	0.0	6.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0 60.0	0.0	0.0	0.0	-	4.8	0.0	0.0	-	0.0	-	-	-
90.0 70.0	0.0	10.6	5.9	-	0.0	15.6	0.0	-	0.0	-	-	-
90.0 80.0	5.1	0.0	17.5	-	0.0	16.0	10.6	-	10.7	-	-	-
90.0 90.0	-	5.6	0.0	-	0.0	15.6	5.4	-	22.0	-	-	-
90.0 100.0	-	0.0	27.4	-	35.1	-	26.9	-	72.1	-	-	-
90.0 110.0	-	-	-	-	5.2	-	21.9	-	5.3	-	-	-
90.0 120.0	-	-	-	-	30.5	-	10.5	-	42.6	-	-	-
90.0 130.0	-	-	-	-	15.0	-	28.0	-	37.9	-	-	-
90.0 140.0	-	-	-	-	52.2	-	26.9	-	48.1	-	-	-
90.0 150.0	-	-	-	-	10.5	-	58.8	-	35.8	-	-	-
90.0 160.0	-	-	-	-	52.9	-	10.2	-	20.6	-	-	-
90.0 170.0	-	-	-	-	69.5	-	25.6	-	-	-	-	-
90.0 180.0	-	-	-	-	72.0	-	20.1	-	108.2	-	-	-
90.0 190.0	-	-	-	-	16.1	-	79.2	-	-	-	-	-
90.0 200.0	-	-	-	-	30.9	-	29.8	-	-	-	-	-
93.0 30.0	0.0	0.0	0.0	0.0	-	0.0	11.6	-	0.0	-	-	-
93.0 45.0	0.0	11.1	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 50.0	0.0	4.9	0.0	16.3	-	0.0	0.0	-	0.0	-	-	-
93.0 55.0	0.0	5.3	14.9	10.4	-	0.0	0.0	-	0.0	-	-	-
93.0 60.0	0.0	10.5	5.4	10.6	-	5.3	0.0	-	0.0	-	-	-
93.0 70.0	0.0	0.0	10.9	25.2	-	19.6	11.2	-	0.0	-	-	-
93.0 80.0	0.0	4.6	5.8	-	4.7	0.0	5.1	-	17.9	-	-	-
93.0 90.0	-	5.3	0.0	-	0.0	24.6	0.0	-	48.9	-	-	-
93.0 100.0	-	11.2	38.4	-	0.0	-	15.6	-	27.8	-	-	-
93.0 110.0	-	-	-	-	87.7	-	10.8	-	97.9	-	-	-
93.0 120.0	-	-	-	-	116.6	-	10.4	-	32.0	-	-	-
93.0 130.0	-	-	-	-	65.4	-	31.7	-	44.2	-	-	-
93.0 140.0	-	-	-	-	75.5	-	9.3	-	91.5	-	-	-
93.0 150.0	-	-	-	-	168.6	-	14.8	-	108.8	-	-	-
93.0 160.0	-	-	-	-	61.4	-	45.0	-	42.2	-	-	-
93.0 170.0	-	-	-	-	26.3	-	5.2	-	-	-	-	-
93.0 180.0	-	-	-	-	53.8	-	51.6	-	16.7	-	-	-
93.0 190.0	-	-	-	-	47.5	-	20.6	-	-	-	-	-
93.0 200.0	-	-	-	-	74.4	-	46.9	-	-	-	-	-
97.0 50.0	24.6	20.6	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0 55.0	0.0	0.0	76.6	-	5.3	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	60.0	0.0	0.0	42.2	-	0.0	-	5.3	-	0.0	-	-	-
97.0	70.0	-	20.0	0.0	-	24.5	-	2.5	-	0.0	-	-	-
97.0	80.0	-	0.0	0.0	-	33.9	50.1	-	-	30.9	-	-	-
97.0	90.0	-	9.7	16.2	-	73.5	5.0	-	-	40.9	-	-	-
97.0	100.0	-	-	-	-	14.0	-	-	-	34.7	-	-	-
100.0	40.0	0.0	4.8	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	45.0	0.0	5.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	50.0	5.1	10.9	19.7	-	11.5	-	0.0	-	11.3	-	-	-
100.0	60.0	5.7	21.2	11.3	-	0.0	-	11.0	-	6.2	-	-	-
100.0	70.0	5.1	36.6	0.0	-	-	-	30.6	-	18.2	-	-	-
100.0	80.0	14.6	32.4	0.0	-	0.0	-	67.3	-	0.0	-	-	-
100.0	90.0	28.6	27.2	17.4	-	25.8	-	10.2	-	27.0	-	-	-
100.0	100.0	-	-	-	-	54.4	-	-	-	17.3	-	-	-
103.0	30.0	0.0	3.3	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	35.0	13.0	-	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	45.0	0.0	-	20.4	-	0.0	-	0.0	-	0.0	-	-	-
103.0	50.0	25.7	3.8	9.9	-	0.0	-	0.0	-	0.0	-	-	-
103.0	60.0	11.7	0.0	0.0	-	-	-	9.0	-	30.1	-	-	-
103.0	70.0	5.9	4.3	5.1	-	-	-	14.0	-	5.8	-	-	-
103.0	80.0	19.6	52.1	25.4	-	-	-	7.7	-	6.2	-	-	-
103.0	90.0	-	-	-	-	-	-	0.0	-	37.9	-	-	-
107.0	32.0	0.0	4.2	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	35.0	0.0	9.3	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	40.0	0.0	0.0	21.6	-	0.0	-	10.5	-	0.0	-	-	-
107.0	45.0	5.2	9.5	5.5	-	0.0	-	-	-	0.0	-	-	-
107.0	50.0	161.2	3.7	10.0	-	22.4	-	14.6	-	0.0	-	-	-
107.0	60.0	5.5	20.8	0.0	-	-	-	14.5	-	6.2	-	-	-
107.0	70.0	-	24.6	49.0	-	-	-	13.3	-	24.2	-	-	-
107.0	80.0	-	0.0	53.7	-	-	-	29.2	-	0.0	-	-	-
107.0	90.0	-	-	-	-	-	-	32.3	-	11.4	-	-	-
110.0	35.0	0.0	40.3	0.0	-	0.0	-	10.9	0.0	0.0	-	-	-
110.0	40.0	34.6	5.7	10.2	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	45.0	0.0	9.0	15.2	-	0.0	-	0.0	-	0.0	-	-	-
110.0	50.0	0.0	0.0	5.3	-	10.7	-	0.0	0.0	18.7	-	-	-
110.0	60.0	5.3	85.5	15.5	-	-	-	5.2	-	0.0	-	-	-
110.0	70.0	-	10.5	16.4	-	-	-	10.6	-	17.6	-	-	-
110.0	80.0	-	30.0	150.2	-	-	-	5.4	-	22.6	-	-	-
110.0	90.0	-	-	-	-	-	-	-	-	23.2	-	-	-
113.0	40.0	5.0	18.9	10.6	-	0.0	-	-	0.0	5.7	-	-	-
113.0	45.0	0.0	0.0	5.3	-	13.3	-	-	0.0	0.0	-	-	-
113.0	50.0	18.5	21.4	10.6	-	0.0	-	10.8	0.0	0.0	-	-	-
113.0	60.0	5.3	48.5	5.3	-	-	-	5.4	0.0	6.3	-	-	-
113.0	70.0	-	4.8	27.0	-	-	-	0.0	-	0.0	-	-	-
113.0	80.0	-	15.7	21.4	-	-	-	0.0	-	63.6	-	-	-
113.0	90.0	-	-	-	-	-	-	-	5.1	59.2	-	-	-
117.0	26.0	-	4.3	0.0	-	-	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
117.0	45.0	–	0.0	0.0	–	–	–	–	6.1	10.7	–	–	–
117.0	50.0	–	4.0	0.0	–	–	–	–	0.0	6.3	–	–	–
117.0	60.0	–	0.0	6.0	–	–	–	–	0.0	0.0	–	–	–
117.0	70.0	–	11.7	0.0	–	–	–	–	0.0	41.3	–	–	–
117.0	80.0	–	17.6	5.8	–	–	–	–	11.3	12.6	–	–	–
120.0	45.0	–	5.3	–	0.0	–	–	–	0.0	0.0	–	–	–
120.0	50.0	–	10.4	–	0.0	–	–	–	0.0	6.1	–	–	–
120.0	60.0	–	0.0	–	0.0	–	–	–	11.3	11.9	–	–	–
120.0	70.0	–	5.0	–	4.9	–	–	–	16.9	45.1	–	–	–
120.0	80.0	–	15.6	–	4.7	–	–	–	17.2	28.1	–	–	–
123.0	42.0	–	0.0	–	–	–	–	–	–	5.6	–	–	–
123.0	45.0	–	0.0	–	0.0	–	–	–	–	60.4	–	–	–
123.0	50.0	–	0.0	–	4.9	–	–	–	0.0	6.2	–	–	–
123.0	60.0	–	5.2	–	0.0	–	–	–	0.0	0.0	–	–	–
127.0	45.0	–	0.0	–	0.0	–	–	–	20.3	5.3	–	–	–
127.0	50.0	–	4.6	–	0.0	–	–	–	0.0	11.3	–	–	–
127.0	60.0	–	0.0	–	–	–	–	–	5.9	31.0	–	–	–
130.0	40.0	–	0.0	–	5.4	–	–	–	–	31.9	–	–	–
130.0	50.0	–	0.0	–	11.0	–	–	–	23.3	0.0	–	–	–
130.0	60.0	–	13.7	–	10.2	–	–	–	36.3	5.8	–	–	–
133.0	30.0	–	0.0	–	4.9	–	–	–	12.8	0.0	–	–	–
133.0	50.0	–	5.4	–	0.0	–	–	–	5.9	12.0	–	–	–
133.0	60.0	–	16.0	–	0.0	–	–	–	6.0	17.8	–	–	–
137.0	35.0	–	0.0	–	5.3	–	–	–	5.5	20.4	–	–	–
137.0	40.0	–	0.0	–	5.2	–	–	–	0.0	0.0	–	–	–
137.0	50.0	–	0.0	–	15.2	–	–	–	39.1	0.0	–	–	–
137.0	60.0	–	16.7	–	26.1	–	–	–	29.5	–	–	–	–

Danaphos oculatus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	80.0	–	0.0	–	–	–	0.0	–	20.5	–	–	–	–
67.0	60.0	–	0.0	–	14.7	0.0	0.0	–	0.0	0.0	–	–	–
67.0	70.0	–	0.0	–	0.0	–	0.0	–	34.4	0.0	–	–	–
70.0	60.0	–	0.0	–	0.0	0.0	0.0	–	10.7	0.0	–	–	–
70.0	65.0	–	0.0	–	0.0	10.3	–	–	0.0	0.0	–	–	–
70.0	90.0	–	0.0	–	11.1	–	0.0	–	0.0	0.0	–	–	–
73.0	60.0	–	0.0	–	10.0	0.0	0.0	–	0.0	0.0	–	–	–
73.0	65.0	–	0.0	–	0.0	0.0	–	–	0.0	10.4	–	–	–
73.0	90.0	–	0.0	–	10.0	–	0.0	–	0.0	0.0	–	–	–
77.0	65.0	–	0.0	–	0.0	0.0	–	–	0.0	10.5	–	–	–
80.0	60.0	–	0.0	–	10.0	0.0	0.0	–	0.0	0.0	–	–	–
80.0	70.0	–	0.0	–	0.0	0.0	12.5	–	0.0	0.0	–	–	–
80.0	90.0	–	0.0	–	5.4	–	0.0	–	0.0	0.0	–	–	–
83.0	55.0	0.0	0.0	–	0.0	0.0	–	–	0.0	10.8	–	–	–

TABLE 4. (cont.)

Danaphos oculatus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	50.0	0.0	0.0	3.0	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	5.4	-	-	-
90.0	29.0	0.0	0.0	0.0	-	0.0	12.4	-	0.0	0.0	-	-	-
90.0	31.0	0.0	0.0	0.0	-	0.0	0.0	-	11.2	0.0	-	-	-
90.0	53.0	0.0	0.0	6.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	60.0	5.1	0.0	0.0	-	0.0	0.0	5.4	-	0.0	-	-	-
90.0	70.0	0.0	5.3	0.0	-	0.0	0.0	7.8	-	0.0	-	-	-
90.0	80.0	5.1	5.1	5.8	-	5.2	0.0	5.3	-	0.0	-	-	-
90.0	90.0	-	16.7	0.0	-	5.2	0.0	0.0	-	0.0	-	-	-
90.0	100.0	-	5.5	5.5	-	5.0	-	0.0	-	0.0	-	-	-
90.0	130.0	-	-	-	-	0.0	-	11.2	-	0.0	-	-	-
93.0	55.0	0.0	0.0	0.0	5.2	-	0.0	0.0	-	11.4	-	-	-
93.0	60.0	0.0	0.0	10.8	0.0	-	0.0	15.9	-	0.0	-	-	-
93.0	70.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	16.1	-	-	-
93.0	80.0	0.0	4.6	5.8	-	0.0	0.0	0.0	-	0.0	-	-	-
93.0	90.0	-	0.0	0.0	-	0.0	0.0	0.0	-	5.4	-	-	-
93.0	100.0	-	0.0	5.5	-	0.0	-	0.0	-	11.1	-	-	-
93.0	130.0	-	-	-	-	5.4	-	0.0	-	0.0	-	-	-
97.0	52.0	0.0	0.0	0.0	-	0.0	-	6.2	-	0.0	-	-	-
97.0	50.0	0.0	20.6	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	55.0	0.0	0.0	0.0	-	0.0	-	5.1	-	0.0	-	-	-
97.0	60.0	0.0	0.0	6.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	70.0	-	0.0	5.5	-	0.0	-	0.0	-	0.0	-	-	-
97.0	80.0	-	0.0	5.8	-	0.0	10.0	-	-	0.0	-	-	-
97.0	90.0	-	4.9	0.0	-	0.0	0.0	-	-	0.0	-	-	-
100.0	80.0	0.0	4.6	11.2	-	0.0	-	0.0	-	0.0	-	-	-
100.0	90.0	0.0	4.5	0.0	-	5.2	-	0.0	-	0.0	-	-	-
103.0	35.0	0.0	-	0.0	-	0.0	-	5.9	-	0.0	-	-	-
103.0	40.0	0.0	-	0.0	-	10.5	-	0.0	-	0.0	-	-	-
107.0	35.0	0.0	0.0	5.5	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	40.0	0.0	0.0	5.4	-	0.0	-	0.0	-	0.0	-	-	-
107.0	45.0	0.0	0.0	0.0	-	11.5	-	-	-	0.0	-	-	-
107.0	60.0	0.0	0.0	0.0	-	-	-	5.1	-	6.1	-	-	-
107.0	70.0	-	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-
107.0	80.0	-	0.0	0.0	-	-	-	8.5	-	0.0	-	-	-
110.0	45.0	0.0	9.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
110.0	50.0	0.0	0.0	5.3	-	0.0	-	0.0	0.0	0.0	-	-	-
113.0	35.0	0.0	0.0	0.0	-	22.8	-	-	-	0.0	-	-	-
113.0	45.0	0.0	0.0	0.0	-	39.9	-	-	0.0	0.0	-	-	-
113.0	50.0	0.0	0.0	5.3	-	0.0	-	0.0	0.0	0.0	-	-	-
117.0	80.0	-	0.0	0.0	-	-	-	-	0.0	6.3	-	-	-
123.0	42.0	-	0.0	-	-	-	-	-	-	5.6	-	-	-
133.0	50.0	-	0.0	-	5.7	-	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Diplophos taenia

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0 180.0	–	–	–	–	0.0	–	0.0	–	11.2	–	–	–
93.0 190.0	–	–	–	–	5.3	–	0.0	–	–	–	–	–

Gonostoma spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0 170.0	–	–	–	–	0.0	–	5.2	–	–	–	–	–
93.0 190.0	–	–	–	–	5.3	–	0.0	–	–	–	–	–

Ichthyococcus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 90.0	–	0.0	0.0	–	0.0	0.0	5.4	–	0.0	–	–	–
93.0 29.0	5.6	0.0	0.0	0.0	–	–	0.0	–	0.0	–	–	–
93.0 50.0	0.0	0.0	0.0	5.4	–	0.0	0.0	–	0.0	–	–	–
93.0 100.0	–	0.0	0.0	–	5.6	–	0.0	–	5.6	–	–	–
97.0 60.0	0.0	0.0	0.0	–	8.4	–	0.0	–	0.0	–	–	–
97.0 70.0	–	0.0	0.0	–	4.9	–	0.0	–	0.0	–	–	–
97.0 80.0	–	0.0	0.0	–	4.8	0.0	–	–	0.0	–	–	–
100.0 45.0	0.0	5.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0 50.0	0.0	0.0	0.0	–	0.0	–	9.7	–	0.0	–	–	–
100.0 80.0	0.0	0.0	0.0	–	0.0	–	0.0	–	5.6	–	–	–
103.0 45.0	0.0	–	0.0	–	0.0	–	5.2	–	0.0	–	–	–
103.0 50.0	0.0	0.0	0.0	–	0.0	–	5.8	–	0.0	–	–	–
103.0 60.0	0.0	4.7	0.0	–	–	–	0.0	–	0.0	–	–	–
103.0 70.0	0.0	0.0	0.0	–	–	–	2.8	–	0.0	–	–	–
103.0 80.0	0.0	4.7	0.0	–	–	–	0.0	–	0.0	–	–	–
107.0 35.0	0.0	9.3	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
107.0 40.0	0.0	0.0	10.8	–	0.0	–	0.0	–	0.0	–	–	–
107.0 60.0	0.0	0.0	0.0	–	–	–	4.7	–	0.0	–	–	–
107.0 80.0	–	0.0	5.4	–	–	–	0.0	–	0.0	–	–	–
110.0 40.0	0.0	5.7	5.1	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0 50.0	0.0	11.1	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0 60.0	5.3	0.0	0.0	–	–	–	0.0	–	0.0	–	–	–
110.0 70.0	–	0.0	5.5	–	–	–	0.0	–	0.0	–	–	–
113.0 40.0	0.0	0.0	0.0	–	11.6	–	–	0.0	0.0	–	–	–
113.0 50.0	0.0	5.3	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
113.0 60.0	0.0	0.0	10.6	–	–	–	5.4	0.0	0.0	–	–	–
113.0 70.0	–	0.0	0.0	–	–	–	0.0	–	6.0	–	–	–
113.0 80.0	–	3.9	0.0	–	–	–	0.0	–	5.8	–	–	–
117.0 60.0	–	4.5	0.0	–	–	–	–	0.0	0.0	–	–	–
117.0 70.0	–	3.9	0.0	–	–	–	–	0.0	5.9	–	–	–
117.0 80.0	–	0.0	0.0	–	–	–	–	0.0	6.3	–	–	–
120.0 50.0	–	0.0	–	0.0	–	–	–	0.0	6.1	–	–	–

TABLE 4. (cont.)

Ichthyococcus spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0 70.0	-	5.0	-	0.0	-	-	-	0.0	6.4	-	-	-
123.0 42.0	-	0.0	-	-	-	-	-	-	5.6	-	-	-
127.0 50.0	-	0.0	-	4.9	-	-	-	0.0	0.0	-	-	-
137.0 50.0	-	0.0	-	0.0	-	-	-	5.6	0.0	-	-	-

Valenciennellus stellatus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 170.0	-	-	-	-	5.3	-	0.0	-	-	-	-	-
93.0 170.0	-	-	-	-	0.0	-	5.2	-	-	-	-	-
93.0 190.0	-	-	-	-	0.0	-	5.2	-	-	-	-	-

Vinciguerria lucetia

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0 60.0	-	0.0	-	0.0	11.4	0.0	-	0.0	0.0	-	-	-
63.0 90.0	-	-	-	-	-	0.0	-	0.0	5.6	-	-	-
70.0 90.0	-	0.0	-	0.0	-	5.8	-	0.0	95.4	-	-	-
73.0 60.0	-	0.0	-	0.0	0.0	0.0	-	0.0	9.7	-	-	-
73.0 70.0	-	0.0	-	0.0	0.0	0.0	-	0.0	16.7	-	-	-
73.0 90.0	-	0.0	-	0.0	-	0.0	-	73.3	22.0	-	-	-
77.0 51.0	-	0.0	-	10.9	0.0	0.0	-	0.0	0.0	-	-	-
77.0 90.0	-	0.0	-	0.0	-	0.0	-	11.0	0.0	-	-	-
80.0 60.0	-	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0 90.0	-	0.0	-	0.0	-	0.0	-	15.3	0.0	-	-	-
83.0 90.0	-	0.0	-	0.0	-	0.0	-	13.8	1312.1	-	-	-
87.0 32.7	0.0	0.0	-	0.0	0.0	0.0	-	0.0	4.7	-	-	-
87.0 60.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	21.5	-	-	-
87.0 70.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	377.3	-	-	-
87.0 80.0	0.0	0.0	0.0	-	-	0.0	-	0.0	83.3	-	-	-
87.0 90.0	-	10.3	0.0	-	-	10.3	-	43.9	27.4	-	-	-
90.0 53.0	0.0	0.0	12.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0 60.0	0.0	11.0	0.0	-	14.4	0.0	0.0	-	0.0	-	-	-
90.0 70.0	0.0	5.3	0.0	-	18.2	26.0	0.0	-	68.0	-	-	-
90.0 80.0	0.0	0.0	0.0	-	0.0	37.3	126.7	-	16.1	-	-	-
90.0 90.0	-	0.0	0.0	-	0.0	0.0	307.8	-	341.6	-	-	-
90.0 100.0	-	5.5	0.0	-	0.0	-	563.8	-	1313.3	-	-	-
90.0 110.0	-	-	-	-	0.0	-	10.9	-	1023.8	-	-	-
90.0 120.0	-	-	-	-	10.2	-	179.2	-	2030.7	-	-	-
90.0 130.0	-	-	-	-	40.0	-	459.2	-	2227.6	-	-	-
90.0 140.0	-	-	-	-	99.2	-	981.0	-	2905.0	-	-	-
90.0 150.0	-	-	-	-	73.2	-	674.1	-	1109.9	-	-	-
90.0 160.0	-	-	-	-	84.6	-	861.9	-	676.0	-	-	-
90.0 170.0	-	-	-	-	21.4	-	981.1	-	-	-	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 180.0	-	-	-	-	116.3	-	25.2	-	156.9	-	-	-
90.0 190.0	-	-	-	-	75.2	-	305.6	-	-	-	-	-
90.0 200.0	-	-	-	-	30.9	-	34.7	-	-	-	-	-
93.0 26.9	5.3	0.0	0.0	0.0	-	0.0	-	0.0	-	-	-	-
93.0 30.0	10.2	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 40.0	0.0	5.3	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 45.0	11.1	11.1	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 50.0	10.1	34.4	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 55.0	0.0	21.0	0.0	0.0	-	0.0	13.4	-	0.0	-	-	-
93.0 60.0	10.5	0.0	5.4	0.0	-	5.3	15.9	-	0.0	-	-	-
93.0 70.0	0.0	0.0	10.9	5.0	-	24.4	28.1	-	10.7	-	-	-
93.0 80.0	43.0	36.7	0.0	-	0.0	103.0	25.4	-	315.3	-	-	-
93.0 90.0	-	0.0	0.0	-	0.0	68.9	210.3	-	1004.5	-	-	-
93.0 100.0	-	0.0	0.0	-	0.0	-	270.9	-	344.7	-	-	-
93.0 110.0	-	-	-	-	41.3	-	827.7	-	1349.1	-	-	-
93.0 120.0	-	-	-	-	74.2	-	10.4	-	975.4	-	-	-
93.0 130.0	-	-	-	-	65.4	-	1552.3	-	1847.0	-	-	-
93.0 140.0	-	-	-	-	59.3	-	130.8	-	2281.1	-	-	-
93.0 150.0	-	-	-	-	79.1	-	84.0	-	1077.1	-	-	-
93.0 160.0	-	-	-	-	143.4	-	1295.0	-	158.1	-	-	-
93.0 170.0	-	-	-	-	26.3	-	31.4	-	-	-	-	-
93.0 180.0	-	-	-	-	53.8	-	41.3	-	50.2	-	-	-
93.0 190.0	-	-	-	-	89.8	-	30.9	-	-	-	-	-
93.0 200.0	-	-	-	-	99.2	-	46.9	-	-	-	-	-
97.0 32.0	5.2	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0 40.0	5.4	5.5	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0 45.0	9.9	0.0	0.0	-	0.0	-	18.6	-	0.0	-	-	-
97.0 50.0	73.8	51.4	0.0	-	5.1	-	0.0	-	0.0	-	-	-
97.0 55.0	0.0	0.0	76.6	-	0.0	-	0.0	-	0.0	-	-	-
97.0 60.0	0.0	0.0	60.3	-	16.8	-	13.6	-	11.9	-	-	-
97.0 70.0	-	30.0	0.0	-	9.8	-	7.3	-	5.9	-	-	-
97.0 80.0	-	10.1	0.0	-	159.7	200.4	-	-	976.4	-	-	-
97.0 90.0	-	19.4	0.0	-	53.0	181.1	-	-	1354.9	-	-	-
97.0 100.0	-	-	-	-	135.1	-	-	-	2344.9	-	-	-
100.0 35.0	28.8	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0 40.0	41.0	24.0	0.0	-	0.0	-	5.0	-	0.0	-	-	-
100.0 45.0	30.2	0.0	5.3	-	0.0	-	0.0	-	0.0	-	-	-
100.0 50.0	30.4	54.5	49.2	-	0.0	-	0.0	-	11.3	-	-	-
100.0 60.0	23.3	31.7	33.9	-	0.0	-	27.6	-	186.3	-	-	-
100.0 70.0	45.6	36.6	5.2	-	-	-	35.7	-	1875.5	-	-	-
100.0 80.0	66.9	92.6	0.0	-	80.0	-	466.2	-	11.2	-	-	-
100.0 90.0	182.0	77.0	34.9	-	356.0	-	1209.0	-	1125.6	-	-	-
100.0 100.0	-	-	-	-	108.7	-	-	-	1260.0	-	-	-
103.0 40.0	19.1	-	5.6	-	0.0	-	0.0	-	0.0	-	-	-
103.0 45.0	49.9	-	96.7	-	0.0	-	0.0	-	0.0	-	-	-
103.0 50.0	25.7	26.6	14.9	-	0.0	-	5.8	-	0.0	-	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
103.0	60.0	11.7	23.3	54.2	-	-	-	75.1	-	348.6	-	-	-
103.0	70.0	64.9	25.8	61.0	-	-	-	228.3	-	304.2	-	-	-
103.0	80.0	84.0	251.2	86.4	-	-	-	324.7	-	750.3	-	-	-
103.0	90.0	-	-	-	-	-	-	409.2	-	2306.8	-	-	-
107.0	32.0	0.0	4.2	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	35.0	5.4	92.8	0.0	-	0.0	-	0.0	11.0	0.0	-	-	-
107.0	40.0	26.8	21.3	10.8	-	0.0	-	0.0	-	6.8	-	-	-
107.0	45.0	88.6	28.6	0.0	-	0.0	-	-	-	12.7	-	-	-
107.0	50.0	253.2	18.7	10.0	-	0.0	-	4.7	-	0.0	-	-	-
107.0	60.0	38.7	57.3	5.5	-	-	-	22.6	-	163.9	-	-	-
107.0	70.0	-	123.0	272.5	-	-	-	1097.8	-	1655.0	-	-	-
107.0	80.0	-	133.8	193.3	-	-	-	994.0	-	389.9	-	-	-
107.0	90.0	-	-	-	-	-	-	850.0	-	377.5	-	-	-
110.0	35.0	21.1	51.8	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	40.0	123.5	5.7	66.6	-	0.0	-	0.0	0.0	12.9	-	-	-
110.0	45.0	42.0	9.0	15.2	-	0.0	-	0.0	-	0.0	-	-	-
110.0	50.0	43.3	55.5	0.0	-	32.1	-	0.0	0.0	0.0	-	-	-
110.0	60.0	31.9	353.4	98.2	-	-	-	1637.0	-	1427.8	-	-	-
110.0	70.0	-	299.8	65.6	-	-	-	604.2	-	999.6	-	-	-
110.0	80.0	-	75.0	238.3	-	-	-	905.8	-	299.5	-	-	-
110.0	90.0	-	-	-	-	-	-	-	-	474.8	-	-	-
113.0	35.0	15.4	63.8	25.6	-	0.0	-	-	-	0.0	-	-	-
113.0	40.0	40.2	137.2	10.6	-	0.0	-	-	0.0	33.9	-	-	-
113.0	45.0	15.9	29.6	10.6	-	0.0	-	-	0.0	17.8	-	-	-
113.0	50.0	92.4	42.8	21.1	-	12.1	-	21.6	5.5	12.3	-	-	-
113.0	60.0	10.6	141.1	10.6	-	-	-	943.3	0.0	25.2	-	-	-
113.0	70.0	-	14.3	92.0	-	-	-	47.8	-	30.2	-	-	-
113.0	80.0	-	62.7	85.8	-	-	-	41.0	-	624.2	-	-	-
113.0	90.0	-	-	-	-	-	-	-	97.1	1148.5	-	-	-
117.0	35.0	-	4.7	0.0	-	-	-	-	0.0	0.0	-	-	-
117.0	40.0	-	0.0	0.0	-	-	-	-	0.0	5.9	-	-	-
117.0	45.0	-	9.3	11.5	-	-	-	-	146.2	278.2	-	-	-
117.0	50.0	-	76.2	34.4	-	-	-	-	10.9	375.0	-	-	-
117.0	60.0	-	9.1	0.0	-	-	-	-	45.0	223.1	-	-	-
117.0	70.0	-	210.6	25.5	-	-	-	-	740.0	743.4	-	-	-
117.0	80.0	-	211.2	277.0	-	-	-	-	73.5	383.1	-	-	-
120.0	40.0	-	0.0	-	0.0	-	-	-	0.0	4.6	-	-	-
120.0	45.0	-	58.4	-	9.5	-	-	-	0.0	61.1	-	-	-
120.0	50.0	-	41.6	-	24.4	-	-	-	98.2	171.1	-	-	-
120.0	60.0	-	36.5	-	14.3	-	-	-	22.5	148.3	-	-	-
120.0	70.0	-	14.9	-	77.8	-	-	-	629.4	645.0	-	-	-
120.0	80.0	-	93.4	-	160.8	-	-	-	491.9	382.2	-	-	-
123.0	42.0	-	45.7	-	-	-	-	-	-	863.4	-	-	-
123.0	45.0	-	4.8	-	13.8	-	-	-	-	2023.4	-	-	-
123.0	50.0	-	33.5	-	49.2	-	-	-	0.0	204.9	-	-	-
123.0	60.0	-	46.6	-	15.3	-	-	-	36.3	0.0	-	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
127.0 34.0	-	0.0	-	4.7	-	-	-	0.0	0.0	-	-	-
127.0 40.0	-	-	-	28.6	-	-	-	191.0	23.2	-	-	-
127.0 45.0	-	28.4	-	28.3	-	-	-	148.7	1039.5	-	-	-
127.0 50.0	-	105.1	-	24.7	-	-	-	167.0	174.5	-	-	-
127.0 60.0	-	0.0	-	-	-	-	-	668.0	179.8	-	-	-
130.0 30.0	-	0.0	-	4.6	-	-	-	0.0	0.0	-	-	-
130.0 35.0	-	0.0	-	37.1	-	-	-	187.1	87.7	-	-	-
130.0 40.0	-	50.2	-	21.5	-	-	-	-	651.8	-	-	-
130.0 50.0	-	71.3	-	247.0	-	-	-	873.0	96.2	-	-	-
130.0 60.0	-	164.9	-	469.2	-	-	-	393.3	292.0	-	-	-
133.0 23.0	-	0.0	-	9.8	-	-	-	0.0	0.0	-	-	-
133.0 25.0	-	0.0	-	13.8	-	-	-	0.0	0.0	-	-	-
133.0 30.0	-	0.0	-	64.0	-	-	-	665.6	0.0	-	-	-
133.0 35.0	-	100.5	-	173.5	-	-	-	582.1	17.2	-	-	-
133.0 40.0	-	339.1	-	140.1	-	-	-	1275.1	41.2	-	-	-
133.0 50.0	-	70.8	-	231.7	-	-	-	212.4	47.8	-	-	-
133.0 60.0	-	202.2	-	98.2	-	-	-	126.2	338.0	-	-	-
137.0 23.0	-	0.0	-	9.2	-	-	-	0.0	-	-	-	-
137.0 30.0	-	0.0	-	31.4	-	-	-	124.1	0.0	-	-	-
137.0 35.0	-	42.9	-	84.2	-	-	-	586.4	51.0	-	-	-
137.0 40.0	-	54.3	-	141.5	-	-	-	696.6	24.2	-	-	-
137.0 50.0	-	142.5	-	191.9	-	-	-	948.6	393.4	-	-	-
137.0 60.0	-	372.5	-	182.4	-	-	-	100.5	-	-	-	-

Vinciguerria poweriae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
67.0 90.0	-	0.0	-	5.2	-	0.0	-	0.0	0.0	-	-	-
83.0 80.0	0.0	5.1	-	0.0	-	0.0	-	0.0	0.0	-	-	-
90.0 130.0	-	-	-	-	5.0	-	0.0	-	0.0	-	-	-
90.0 140.0	-	-	-	-	26.1	-	0.0	-	0.0	-	-	-
90.0 150.0	-	-	-	-	0.0	-	10.7	-	0.0	-	-	-
90.0 170.0	-	-	-	-	0.0	-	10.2	-	-	-	-	-
90.0 190.0	-	-	-	-	16.1	-	17.0	-	-	-	-	-
90.0 200.0	-	-	-	-	5.2	-	5.0	-	-	-	-	-
93.0 110.0	-	-	-	-	20.6	-	0.0	-	0.0	-	-	-
93.0 130.0	-	-	-	-	10.9	-	0.0	-	0.0	-	-	-
93.0 140.0	-	-	-	-	5.4	-	4.7	-	21.5	-	-	-
93.0 150.0	-	-	-	-	0.0	-	0.0	-	21.8	-	-	-
93.0 160.0	-	-	-	-	15.4	-	50.0	-	10.5	-	-	-
93.0 170.0	-	-	-	-	5.3	-	5.2	-	-	-	-	-
93.0 180.0	-	-	-	-	5.4	-	0.0	-	5.6	-	-	-
93.0 190.0	-	-	-	-	21.1	-	0.0	-	-	-	-	-
93.0 200.0	-	-	-	-	9.9	-	0.0	-	-	-	-	-
97.0 100.0	-	-	-	-	4.7	-	-	-	0.0	-	-	-

TABLE 4. (cont.)

Vinciguerria poweriae (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	70.0	0.0	4.6	0.0	–	–	–	0.0	–	0.0	–	–	–
100.0	90.0	0.0	0.0	11.6	–	0.0	–	0.0	–	0.0	–	–	–
100.0	100.0	–	–	–	–	9.1	–	–	–	0.0	–	–	–
103.0	70.0	0.0	12.9	0.0	–	–	–	0.0	–	0.0	–	–	–

Sternoptychidae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	60.0	–	0.0	–	11.0	0.0	0.0	–	0.0	0.0	–	–	–
63.0	55.0	–	11.1	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
63.0	60.0	–	0.0	–	0.0	0.0	0.0	–	0.0	10.9	–	–	–
63.0	80.0	–	0.0	–	–	–	0.0	–	10.3	–	–	–	–
63.0	90.0	–	–	–	–	–	0.0	–	0.0	5.6	–	–	–
67.0	60.0	–	0.0	–	29.3	0.0	0.0	–	0.0	0.0	–	–	–
67.0	70.0	–	0.0	–	0.0	–	10.6	–	11.5	0.0	–	–	–
67.0	80.0	–	0.0	–	16.5	–	0.0	–	0.0	–	–	–	–
67.0	90.0	–	0.0	–	0.0	–	0.0	–	0.0	5.5	–	–	–
70.0	65.0	–	0.0	–	0.0	10.3	–	–	0.0	0.0	–	–	–
70.0	70.0	–	0.0	–	0.0	0.0	0.0	–	0.0	11.2	–	–	–
70.0	80.0	–	0.0	–	0.0	–	0.0	–	11.3	11.0	–	–	–
70.0	90.0	–	5.2	–	0.0	–	0.0	–	0.0	0.0	–	–	–
73.0	60.0	–	10.8	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
73.0	65.0	–	0.0	–	0.0	10.7	–	–	0.0	0.0	–	–	–
73.0	70.0	–	0.0	–	0.0	0.0	0.0	–	5.0	27.9	–	–	–
73.0	80.0	–	0.0	–	0.0	–	0.0	–	10.2	0.0	–	–	–
73.0	90.0	–	0.0	–	0.0	–	5.7	–	0.0	5.5	–	–	–
77.0	65.0	–	0.0	–	11.0	0.0	–	–	0.0	10.5	–	–	–
77.0	80.0	–	0.0	–	0.0	–	5.9	–	0.0	0.0	–	–	–
77.0	90.0	–	0.0	–	0.0	–	6.0	–	5.5	0.0	–	–	–
80.0	51.0	–	0.0	–	0.0	0.0	0.0	–	0.0	10.2	–	–	–
80.0	55.0	–	0.0	–	21.4	0.0	0.0	–	0.0	10.9	–	–	–
80.0	60.0	–	0.0	–	10.0	0.0	0.0	–	0.0	10.8	–	–	–
80.0	70.0	–	0.0	–	0.0	10.8	0.0	–	0.0	10.8	–	–	–
80.0	80.0	–	0.0	–	10.5	–	0.0	–	0.0	0.0	–	–	–
80.0	90.0	–	0.0	–	0.0	–	4.9	–	0.0	11.4	–	–	–
83.0	55.0	0.0	0.0	–	0.0	0.0	–	–	13.5	10.8	–	–	–
83.0	60.0	10.3	0.0	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
83.0	70.0	5.4	0.0	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
83.0	80.0	0.0	0.0	–	5.0	–	0.0	–	0.0	0.0	–	–	–
83.0	90.0	–	0.0	–	4.9	–	4.9	–	0.0	17.3	–	–	–
87.0	35.0	0.0	5.4	–	19.1	0.0	19.9	–	0.0	0.0	–	–	–
87.0	36.0	0.0	5.6	–	5.6	12.3	–	–	0.0	0.0	–	–	–
87.0	40.0	0.0	0.0	–	5.8	0.0	24.3	–	12.2	0.0	–	–	–
87.0	45.0	11.2	0.0	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
87.0	55.0	9.8	0.0	24.0	–	23.9	24.7	–	0.0	0.0	–	–	–

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0 60.0	25.3	0.0	12.1	-	11.3	0.0	-	0.0	21.5	-	-	-
87.0 70.0	0.0	10.5	11.5	-	5.4	0.0	-	0.0	21.6	-	-	-
87.0 80.0	0.0	5.3	5.7	-	-	0.0	-	0.0	5.6	-	-	-
87.0 90.0	-	0.0	0.0	-	-	0.0	-	8.8	0.0	-	-	-
90.0 29.0	10.2	11.0	13.9	-	9.7	0.0	-	0.0	0.0	-	-	-
90.0 30.0	37.7	10.5	10.9	-	0.0	10.7	-	12.0	0.0	-	-	-
90.0 31.0	9.7	5.8	12.4	-	12.7	0.0	-	11.2	0.0	-	-	-
90.0 33.0	0.0	12.0	49.4	-	11.4	0.0	-	0.0	0.0	-	-	-
90.0 37.0	0.0	0.0	11.8	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0 45.0	11.2	0.0	11.2	-	0.0	0.0	0.0	-	-	-	-	-
90.0 53.0	9.1	5.0	0.0	-	0.0	0.0	12.3	-	0.0	-	-	-
90.0 60.0	0.0	0.0	12.3	-	0.0	0.0	5.4	-	5.7	-	-	-
90.0 70.0	0.0	15.9	11.7	-	0.0	5.2	23.5	-	5.7	-	-	-
90.0 80.0	0.0	5.1	0.0	-	0.0	5.3	5.3	-	0.0	-	-	-
90.0 90.0	-	0.0	5.9	-	0.0	0.0	16.2	-	0.0	-	-	-
90.0 100.0	-	0.0	11.0	-	0.0	-	5.4	-	5.2	-	-	-
90.0 110.0	-	-	-	-	0.0	-	5.5	-	0.0	-	-	-
90.0 120.0	-	-	-	-	5.1	-	15.8	-	10.7	-	-	-
90.0 130.0	-	-	-	-	0.0	-	11.2	-	21.7	-	-	-
90.0 140.0	-	-	-	-	10.4	-	21.6	-	16.0	-	-	-
90.0 150.0	-	-	-	-	15.7	-	5.3	-	0.0	-	-	-
90.0 160.0	-	-	-	-	5.3	-	20.4	-	10.3	-	-	-
90.0 170.0	-	-	-	-	10.7	-	10.2	-	-	-	-	-
90.0 180.0	-	-	-	-	5.5	-	0.0	-	10.8	-	-	-
90.0 190.0	-	-	-	-	16.1	-	5.7	-	-	-	-	-
90.0 200.0	-	-	-	-	30.9	-	0.0	-	-	-	-	-
93.0 26.9	0.0	0.0	5.4	0.0	-	0.0	-	0.0	-	-	-	-
93.0 28.0	0.0	12.2	5.9	11.0	-	0.0	10.6	-	0.0	-	-	-
93.0 29.0	11.2	0.0	0.0	5.6	-	-	0.0	-	0.0	-	-	-
93.0 30.0	20.3	5.9	38.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 35.0	10.9	0.0	20.4	0.0	-	12.5	0.0	-	0.0	-	-	-
93.0 40.0	26.2	0.0	5.6	12.0	-	0.0	0.0	-	0.0	-	-	-
93.0 45.0	0.0	11.1	0.0	0.0	-	11.8	0.0	-	0.0	-	-	-
93.0 50.0	0.0	14.8	0.0	0.0	-	0.0	11.1	-	0.0	-	-	-
93.0 55.0	5.2	0.0	0.0	15.6	-	0.0	0.0	-	0.0	-	-	-
93.0 60.0	0.0	0.0	5.4	15.8	-	0.0	5.3	-	5.2	-	-	-
93.0 70.0	5.4	0.0	10.9	5.0	-	9.8	5.6	-	0.0	-	-	-
93.0 80.0	10.8	4.6	34.8	-	4.7	5.2	5.1	-	11.9	-	-	-
93.0 90.0	-	0.0	0.0	-	5.6	4.9	0.0	-	21.7	-	-	-
93.0 100.0	-	5.6	16.4	-	0.0	-	10.4	-	0.0	-	-	-
93.0 110.0	-	-	-	-	10.3	-	5.4	-	5.4	-	-	-
93.0 120.0	-	-	-	-	5.3	-	0.0	-	5.3	-	-	-
93.0 130.0	-	-	-	-	10.9	-	10.6	-	11.1	-	-	-
93.0 140.0	-	-	-	-	16.2	-	9.3	-	5.4	-	-	-
93.0 150.0	-	-	-	-	5.3	-	9.9	-	0.0	-	-	-
93.0 160.0	-	-	-	-	5.1	-	30.0	-	10.5	-	-	-

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0 180.0	-	-	-	-	0.0	-	10.3	-	5.6	-	-	-
93.0 190.0	-	-	-	-	15.8	-	10.3	-	-	-	-	-
93.0 200.0	-	-	-	-	24.8	-	10.4	-	-	-	-	-
97.0 32.0	5.2	0.0	0.0	-	9.0	-	5.6	-	5.9	-	-	-
97.0 35.0	0.0	4.9	0.0	-	0.0	-	4.6	-	0.0	-	-	-
97.0 40.0	0.0	0.0	0.0	-	9.8	-	16.0	-	0.0	-	-	-
97.0 45.0	9.9	20.8	0.0	-	18.4	-	12.4	-	0.0	-	-	-
97.0 50.0	36.9	0.0	11.8	-	5.1	-	11.9	-	0.0	-	-	-
97.0 55.0	0.0	4.8	0.0	-	10.7	-	11.3	-	0.0	-	-	-
97.0 60.0	0.0	0.0	6.0	-	0.0	-	5.3	-	0.0	-	-	-
97.0 70.0	-	15.0	16.4	-	14.7	-	7.4	-	0.0	-	-	-
97.0 80.0	-	20.2	11.6	-	0.0	10.0	-	-	18.5	-	-	-
97.0 90.0	-	0.0	16.2	-	0.0	0.0	-	-	5.8	-	-	-
97.0 100.0	-	-	-	-	18.6	-	-	-	0.0	-	-	-
100.0 29.0	0.0	0.0	0.0	-	5.0	-	0.0	-	0.0	-	-	-
100.0 30.0	0.0	4.8	0.0	-	18.2	-	0.0	-	0.0	-	-	-
100.0 35.0	0.0	0.0	5.1	-	10.6	-	5.0	-	0.0	-	-	-
100.0 40.0	0.0	0.0	0.0	-	12.0	-	5.0	-	11.3	-	-	-
100.0 45.0	10.1	5.0	5.3	-	10.4	-	9.7	-	0.0	-	-	-
100.0 50.0	5.1	5.4	14.8	-	11.5	-	19.4	-	0.0	-	-	-
100.0 60.0	11.3	10.6	0.0	-	5.7	-	0.0	-	0.0	-	-	-
100.0 70.0	5.1	9.1	0.0	-	-	-	10.2	-	12.1	-	-	-
100.0 80.0	2.9	9.3	0.0	-	10.0	-	0.0	-	0.0	-	-	-
100.0 90.0	7.8	0.0	11.6	-	0.0	-	15.2	-	6.7	-	-	-
100.0 100.0	-	-	-	-	27.2	-	-	-	0.0	-	-	-
103.0 30.0	0.0	0.0	0.0	-	5.0	-	0.0	-	0.0	-	-	-
103.0 35.0	0.0	-	5.5	-	13.3	-	0.0	-	0.0	-	-	-
103.0 40.0	19.1	-	5.6	-	31.6	-	23.2	-	0.0	-	-	-
103.0 45.0	12.5	-	10.2	-	12.0	-	0.0	-	13.0	-	-	-
103.0 50.0	12.9	0.0	0.0	-	10.5	-	0.0	-	0.0	-	-	-
103.0 60.0	0.0	9.3	0.0	-	-	-	24.1	-	6.0	-	-	-
103.0 70.0	3.0	4.3	0.0	-	-	-	2.8	-	0.0	-	-	-
103.0 80.0	11.2	0.0	5.3	-	-	-	0.0	-	0.0	-	-	-
107.0 32.0	0.0	4.2	0.0	-	8.8	-	0.0	0.0	0.0	-	-	-
107.0 35.0	0.0	9.3	11.0	-	0.0	-	10.1	0.0	0.0	-	-	-
107.0 40.0	5.4	0.0	32.4	-	0.0	-	0.0	-	20.3	-	-	-
107.0 45.0	10.4	14.3	5.5	-	34.5	-	-	-	25.5	-	-	-
107.0 50.0	0.0	14.0	29.9	-	5.6	-	19.3	-	0.0	-	-	-
107.0 60.0	5.5	5.2	0.0	-	-	-	0.0	-	6.1	-	-	-
107.0 70.0	-	0.0	32.7	-	-	-	2.7	-	6.0	-	-	-
107.0 80.0	-	5.3	0.0	-	-	-	3.0	-	0.0	-	-	-
110.0 35.0	0.0	5.8	0.0	-	11.3	-	0.0	0.0	0.0	-	-	-
110.0 40.0	4.9	17.1	15.4	-	32.6	-	22.7	0.0	0.0	-	-	-
110.0 45.0	10.5	9.0	15.2	-	11.1	-	0.0	-	6.6	-	-	-
110.0 50.0	27.0	0.0	5.3	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0 60.0	15.9	17.1	10.3	-	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	70.0	-	31.6	5.5	-	-	-	0.0	-	0.0	-	-	-
110.0	80.0	-	10.0	25.9	-	-	-	0.0	-	5.7	-	-	-
110.0	90.0	-	-	-	-	-	-	-	-	5.8	-	-	-
113.0	35.0	5.1	0.0	5.1	-	45.5	-	-	-	0.0	-	-	-
113.0	40.0	10.1	4.7	0.0	-	0.0	-	-	5.6	0.0	-	-	-
113.0	50.0	0.0	0.0	5.3	-	12.1	-	0.0	0.0	0.0	-	-	-
113.0	60.0	0.0	8.8	10.6	-	-	-	5.4	5.2	6.3	-	-	-
113.0	70.0	-	0.0	16.2	-	-	-	10.6	-	0.0	-	-	-
113.0	80.0	-	0.0	10.7	-	-	-	10.3	-	0.0	-	-	-
113.0	90.0	-	-	-	-	-	-	-	0.0	11.8	-	-	-
117.0	30.0	-	0.0	5.2	-	-	-	-	0.0	0.0	-	-	-
117.0	45.0	-	0.0	5.7	-	-	-	-	12.2	5.3	-	-	-
117.0	60.0	-	4.5	0.0	-	-	-	-	0.0	0.0	-	-	-
117.0	70.0	-	11.7	0.0	-	-	-	-	0.0	0.0	-	-	-
117.0	80.0	-	0.0	11.5	-	-	-	-	11.3	6.3	-	-	-
120.0	45.0	-	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-
120.0	50.0	-	0.0	-	0.0	-	-	-	0.0	12.2	-	-	-
120.0	60.0	-	0.0	-	4.8	-	-	-	11.3	0.0	-	-	-
120.0	70.0	-	9.9	-	4.9	-	-	-	0.0	0.0	-	-	-
120.0	80.0	-	5.2	-	0.0	-	-	-	0.0	11.2	-	-	-
123.0	42.0	-	0.0	-	-	-	-	-	-	11.1	-	-	-
123.0	45.0	-	9.6	-	0.0	-	-	-	-	18.1	-	-	-
123.0	50.0	-	24.0	-	4.9	-	-	-	0.0	12.4	-	-	-
123.0	60.0	-	0.0	-	5.1	-	-	-	0.0	0.0	-	-	-
127.0	40.0	-	-	-	9.5	-	-	-	0.0	0.0	-	-	-
127.0	45.0	-	0.0	-	9.4	-	-	-	6.8	10.5	-	-	-
127.0	50.0	-	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-
130.0	40.0	-	5.0	-	0.0	-	-	-	-	6.4	-	-	-
130.0	50.0	-	0.0	-	0.0	-	-	-	5.8	0.0	-	-	-
130.0	60.0	-	9.2	-	5.1	-	-	-	0.0	17.5	-	-	-
133.0	30.0	-	0.0	-	4.9	-	-	-	0.0	0.0	-	-	-
133.0	35.0	-	0.0	-	0.0	-	-	-	11.9	0.0	-	-	-
133.0	40.0	-	17.9	-	4.8	-	-	-	18.5	0.0	-	-	-
133.0	50.0	-	0.0	-	11.3	-	-	-	5.9	0.0	-	-	-
133.0	60.0	-	21.3	-	0.0	-	-	-	6.0	11.9	-	-	-
137.0	35.0	-	5.4	-	0.0	-	-	-	5.5	5.1	-	-	-
137.0	40.0	-	9.9	-	5.2	-	-	-	34.3	0.0	-	-	-
137.0	50.0	-	5.5	-	10.1	-	-	-	5.6	0.0	-	-	-
137.0	60.0	-	27.8	-	5.2	-	-	-	0.0	-	-	-	-

Chauliodus macouni

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	-	-	-	0.0	0.0	0.0	-	10.2	0.0	-	-	-
60.0	60.0	-	0.0	-	0.0	0.0	0.0	-	10.8	11.1	-	-	-

TABLE 4. (cont.)

Chauliodus macouni (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	65.0	-	0.0	-	-	-	-	-	0.0	10.7	-	-	-
60.0	80.0	-	0.0	-	-	-	9.6	-	5.3	10.9	-	-	-
60.0	90.0	-	-	-	-	-	0.0	-	9.2	5.7	-	-	-
63.0	60.0	-	0.0	-	0.0	11.4	0.0	-	0.0	0.0	-	-	-
63.0	70.0	-	0.0	-	0.0	-	0.0	-	11.3	0.0	-	-	-
63.0	80.0	-	0.0	-	-	-	18.6	-	0.0	-	-	-	-
63.0	90.0	-	-	-	-	-	0.0	-	0.0	16.8	-	-	-
67.0	60.0	-	0.0	-	0.0	11.0	0.0	-	0.0	9.9	-	-	-
67.0	65.0	-	33.8	-	0.0	-	-	-	0.0	11.7	-	-	-
67.0	70.0	-	0.0	-	0.0	-	0.0	-	0.0	11.0	-	-	-
67.0	90.0	-	0.0	-	0.0	-	0.0	-	0.0	5.5	-	-	-
70.0	53.0	-	0.0	-	0.0	0.0	0.0	-	10.0	11.6	-	-	-
70.0	60.0	-	0.0	-	0.0	0.0	0.0	-	21.4	10.5	-	-	-
70.0	65.0	-	11.6	-	0.0	0.0	-	-	0.0	12.0	-	-	-
70.0	70.0	-	0.0	-	0.0	0.0	0.0	-	10.9	11.2	-	-	-
70.0	80.0	-	0.0	-	0.0	-	0.0	-	0.0	32.9	-	-	-
70.0	90.0	-	0.0	-	0.0	-	5.8	-	10.2	5.3	-	-	-
73.0	53.0	-	0.0	-	0.0	0.0	12.0	-	12.4	0.0	-	-	-
73.0	60.0	-	0.0	-	0.0	0.0	12.3	-	0.0	0.0	-	-	-
73.0	65.0	-	0.0	-	0.0	10.7	-	-	0.0	0.0	-	-	-
73.0	70.0	-	0.0	-	0.0	10.4	0.0	-	5.0	0.0	-	-	-
77.0	80.0	-	0.0	-	0.0	-	11.9	-	0.0	0.0	-	-	-
77.0	90.0	-	0.0	-	5.5	-	0.0	-	0.0	0.0	-	-	-
80.0	60.0	-	0.0	-	10.0	0.0	11.7	-	0.0	0.0	-	-	-
80.0	70.0	-	0.0	-	0.0	0.0	0.0	-	10.9	0.0	-	-	-
80.0	80.0	-	0.0	-	0.0	-	0.0	-	11.4	0.0	-	-	-
80.0	90.0	-	0.0	-	5.4	-	0.0	-	0.0	0.0	-	-	-
83.0	42.0	-	0.0	-	0.0	0.0	0.0	-	0.0	12.2	-	-	-
83.0	60.0	0.0	0.0	-	0.0	19.0	0.0	-	0.0	0.0	-	-	-
83.0	70.0	0.0	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	80.0	5.4	10.2	-	0.0	-	0.0	-	4.9	0.0	-	-	-
83.0	90.0	-	5.3	-	0.0	-	0.0	-	0.0	0.0	-	-	-
87.0	35.0	0.0	0.0	-	6.4	0.0	0.0	-	0.0	0.0	-	-	-
87.0	40.0	0.0	0.0	-	0.0	0.0	0.0	-	12.2	11.3	-	-	-
87.0	45.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	13.5	-	-	-
87.0	55.0	0.0	0.0	0.0	-	11.9	0.0	-	0.0	0.0	-	-	-
87.0	60.0	0.0	0.0	0.0	-	5.7	0.0	-	0.0	0.0	-	-	-
87.0	70.0	6.0	0.0	11.5	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	80.0	5.2	0.0	0.0	-	-	5.0	-	0.0	0.0	-	-	-
87.0	90.0	-	5.1	0.0	-	-	5.1	-	0.0	0.0	-	-	-
90.0	45.0	0.0	0.0	0.0	-	0.0	11.6	10.9	-	-	-	-	-
90.0	60.0	0.0	0.0	0.0	-	4.8	0.0	0.0	-	0.0	-	-	-
90.0	70.0	0.0	10.6	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	80.0	0.0	10.2	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	90.0	-	0.0	0.0	-	0.0	0.0	5.4	-	0.0	-	-	-
90.0	100.0	-	0.0	0.0	-	0.0	-	5.4	-	0.0	-	-	-

TABLE 4. (cont.)

Chauliodus macouni (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 110.0	-	-	-	-	5.2	-	0.0	-	0.0	-	-	-
90.0 120.0	-	-	-	-	0.0	-	0.0	-	10.7	-	-	-
90.0 130.0	-	-	-	-	5.0	-	0.0	-	0.0	-	-	-
93.0 29.0	0.0	0.0	0.0	5.6	-	-	0.0	-	0.0	-	-	-
93.0 30.0	0.0	5.9	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 35.0	0.0	0.0	0.0	11.0	-	0.0	0.0	-	0.0	-	-	-
93.0 45.0	0.0	0.0	0.0	0.0	-	0.0	10.1	-	21.3	-	-	-
93.0 50.0	0.0	4.9	0.0	0.0	-	0.0	0.0	-	11.8	-	-	-
93.0 55.0	5.2	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 60.0	5.3	0.0	0.0	5.3	-	5.3	0.0	-	10.4	-	-	-
93.0 70.0	10.8	0.0	0.0	5.0	-	0.0	0.0	-	5.4	-	-	-
93.0 80.0	5.4	0.0	5.8	-	4.7	5.2	5.1	-	5.9	-	-	-
93.0 90.0	-	0.0	0.0	-	5.6	0.0	0.0	-	5.4	-	-	-
93.0 100.0	-	0.0	0.0	-	11.1	-	5.2	-	0.0	-	-	-
97.0 32.0	0.0	0.0	0.0	-	0.0	-	11.7	-	0.0	-	-	-
97.0 35.0	0.0	0.0	0.0	-	9.0	-	5.2	-	0.0	-	-	-
97.0 40.0	0.0	5.5	0.0	-	9.8	-	0.0	-	0.0	-	-	-
97.0 45.0	0.0	10.4	0.0	-	9.2	-	0.0	-	0.0	-	-	-
97.0 50.0	24.6	0.0	5.9	-	5.1	-	0.0	-	0.0	-	-	-
97.0 55.0	19.2	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0 60.0	0.0	11.3	0.0	-	0.0	-	0.0	-	11.9	-	-	-
97.0 80.0	-	0.0	5.8	-	0.0	0.0	-	-	0.0	-	-	-
100.0 40.0	0.0	0.0	0.0	-	12.0	-	0.0	-	0.0	-	-	-
100.0 45.0	0.0	0.0	5.3	-	0.0	-	0.0	-	12.6	-	-	-
100.0 50.0	0.0	0.0	0.0	-	0.0	-	9.7	-	0.0	-	-	-
100.0 60.0	0.0	0.0	0.0	-	5.7	-	0.0	-	0.0	-	-	-
100.0 80.0	0.0	0.0	0.0	-	0.0	-	0.0	-	5.6	-	-	-
103.0 35.0	0.0	-	0.0	-	0.0	-	5.9	-	0.0	-	-	-
103.0 40.0	0.0	-	0.0	-	0.0	-	0.0	-	13.7	-	-	-
103.0 45.0	0.0	-	0.0	-	12.0	-	0.0	-	0.0	-	-	-
103.0 50.0	12.9	3.8	5.0	-	0.0	-	5.8	-	0.0	-	-	-
103.0 60.0	0.0	0.0	0.0	-	-	-	5.2	-	0.0	-	-	-
107.0 35.0	0.0	0.0	5.5	-	11.0	-	0.0	0.0	0.0	-	-	-
107.0 60.0	5.5	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0 35.0	0.0	5.8	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0 40.0	0.0	0.0	0.0	-	0.0	-	22.7	0.0	0.0	-	-	-
110.0 60.0	0.0	0.0	5.2	-	-	-	0.0	-	0.0	-	-	-
113.0 35.0	0.0	0.0	5.1	-	0.0	-	-	-	0.0	-	-	-
117.0 45.0	-	0.0	0.0	-	-	-	-	0.0	5.3	-	-	-
117.0 70.0	-	3.9	0.0	-	-	-	-	0.0	0.0	-	-	-
123.0 45.0	-	4.8	-	0.0	-	-	-	-	0.0	-	-	-

TABLE 4. (cont.)

Idiacanthus antrostomus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0 80.0	-	0.0	-	-	-	0.0	-	5.3	0.0	-	-	-
63.0 80.0	-	10.0	-	-	-	0.0	-	0.0	-	-	-	-
70.0 90.0	-	0.0	-	0.0	-	0.0	-	5.1	0.0	-	-	-
73.0 70.0	-	0.0	-	0.0	0.0	0.0	-	0.0	27.9	-	-	-
73.0 80.0	-	0.0	-	0.0	-	0.0	-	5.1	0.0	-	-	-
73.0 90.0	-	0.0	-	0.0	-	0.0	-	4.9	0.0	-	-	-
77.0 90.0	-	0.0	-	0.0	-	0.0	-	21.9	0.0	-	-	-
83.0 90.0	-	5.3	-	4.9	-	0.0	-	0.0	11.6	-	-	-
87.0 70.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	5.4	-	-	-
87.0 80.0	0.0	0.0	0.0	-	-	0.0	-	0.0	5.6	-	-	-
87.0 90.0	-	0.0	0.0	-	-	10.3	-	0.0	11.0	-	-	-
90.0 70.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	5.7	-	-	-
90.0 80.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	5.4	-	-	-
90.0 90.0	-	0.0	0.0	-	0.0	0.0	5.4	-	0.0	-	-	-
90.0 100.0	-	0.0	0.0	-	0.0	-	0.0	-	10.3	-	-	-
90.0 120.0	-	-	-	-	0.0	-	0.0	-	21.3	-	-	-
90.0 130.0	-	-	-	-	0.0	-	11.2	-	16.3	-	-	-
90.0 140.0	-	-	-	-	5.2	-	0.0	-	5.3	-	-	-
90.0 150.0	-	-	-	-	0.0	-	21.4	-	31.6	-	-	-
90.0 160.0	-	-	-	-	0.0	-	25.5	-	31.0	-	-	-
90.0 170.0	-	-	-	-	0.0	-	35.8	-	-	-	-	-
90.0 190.0	-	-	-	-	0.0	-	34.0	-	-	-	-	-
93.0 70.0	0.0	3.9	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 80.0	0.0	9.2	0.0	-	0.0	0.0	10.1	-	0.0	-	-	-
93.0 90.0	-	5.3	0.0	-	0.0	0.0	25.7	-	32.6	-	-	-
93.0 100.0	-	0.0	5.5	-	0.0	-	20.8	-	16.7	-	-	-
93.0 110.0	-	-	-	-	0.0	-	27.0	-	0.0	-	-	-
93.0 120.0	-	-	-	-	0.0	-	5.2	-	21.3	-	-	-
93.0 130.0	-	-	-	-	5.4	-	5.3	-	11.1	-	-	-
93.0 140.0	-	-	-	-	0.0	-	0.0	-	21.5	-	-	-
93.0 150.0	-	-	-	-	0.0	-	19.8	-	5.4	-	-	-
93.0 160.0	-	-	-	-	0.0	-	5.0	-	0.0	-	-	-
93.0 180.0	-	-	-	-	0.0	-	5.2	-	0.0	-	-	-
97.0 60.0	0.0	11.3	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0 70.0	-	0.0	5.5	-	0.0	-	0.0	-	0.0	-	-	-
97.0 80.0	-	5.1	0.0	-	0.0	0.0	-	-	0.0	-	-	-
97.0 90.0	-	0.0	5.4	-	0.0	0.0	-	-	0.0	-	-	-
97.0 100.0	-	-	-	-	4.7	-	-	-	17.4	-	-	-
100.0 50.0	0.0	5.4	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0 60.0	0.0	10.6	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0 70.0	5.1	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
100.0 80.0	5.8	0.0	0.0	-	0.0	-	0.0	-	5.6	-	-	-
100.0 90.0	5.2	0.0	5.8	-	0.0	-	0.0	-	0.0	-	-	-
100.0 100.0	-	-	-	-	0.0	-	-	-	5.8	-	-	-
103.0 50.0	0.0	3.8	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0 60.0	0.0	0.0	10.8	-	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Idiacanthus antrostomus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
103.0 70.0	0.0	4.3	0.0	–	–	–	0.0	–	0.0	–	–	–
103.0 80.0	2.8	0.0	0.0	–	–	–	0.0	–	0.0	–	–	–
107.0 45.0	5.2	0.0	0.0	–	0.0	–	–	–	0.0	–	–	–
107.0 50.0	11.5	4.7	0.0	–	0.0	–	0.0	–	0.0	–	–	–
107.0 60.0	5.5	0.0	0.0	–	–	–	0.0	–	0.0	–	–	–
110.0 40.0	0.0	5.7	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0 70.0	–	0.0	5.5	–	–	–	0.0	–	0.0	–	–	–
110.0 80.0	–	5.0	0.0	–	–	–	0.0	–	0.0	–	–	–
113.0 40.0	5.0	0.0	0.0	–	0.0	–	–	0.0	0.0	–	–	–

Aristostomias scintillans

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0 90.0	–	0.0	–	0.0	–	0.0	–	5.1	5.3	–	–	–
90.0 100.0	–	0.0	0.0	–	5.0	–	0.0	–	0.0	–	–	–
90.0 120.0	–	–	–	–	10.2	–	0.0	–	0.0	–	–	–
90.0 140.0	–	–	–	–	10.4	–	0.0	–	0.0	–	–	–
90.0 150.0	–	–	–	–	26.1	–	5.3	–	0.0	–	–	–
90.0 160.0	–	–	–	–	10.6	–	5.1	–	0.0	–	–	–
90.0 170.0	–	–	–	–	10.7	–	0.0	–	–	–	–	–
90.0 180.0	–	–	–	–	5.5	–	0.0	–	0.0	–	–	–
93.0 60.0	0.0	0.0	5.4	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0 100.0	–	0.0	0.0	–	0.0	–	5.2	–	0.0	–	–	–
93.0 120.0	–	–	–	–	15.9	–	0.0	–	0.0	–	–	–
93.0 130.0	–	–	–	–	10.9	–	0.0	–	0.0	–	–	–
93.0 140.0	–	–	–	–	10.8	–	0.0	–	0.0	–	–	–
93.0 150.0	–	–	–	–	5.3	–	0.0	–	0.0	–	–	–
93.0 170.0	–	–	–	–	5.3	–	0.0	–	–	–	–	–
97.0 70.0	–	0.0	0.0	–	4.9	–	0.0	–	0.0	–	–	–
97.0 100.0	–	–	–	–	9.3	–	–	–	0.0	–	–	–
100.0 100.0	–	–	–	–	4.5	–	–	–	0.0	–	–	–
107.0 80.0	–	0.0	5.4	–	–	–	0.0	–	0.0	–	–	–

Bathophilus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0 90.0	–	0.0	–	0.0	–	0.0	–	5.1	0.0	–	–	–
90.0 110.0	–	–	–	–	5.2	–	0.0	–	0.0	–	–	–
90.0 120.0	–	–	–	–	10.2	–	0.0	–	0.0	–	–	–
90.0 140.0	–	–	–	–	5.2	–	5.4	–	0.0	–	–	–
90.0 170.0	–	–	–	–	21.4	–	0.0	–	–	–	–	–
90.0 190.0	–	–	–	–	5.4	–	0.0	–	–	–	–	–
90.0 200.0	–	–	–	–	10.3	–	0.0	–	–	–	–	–
93.0 110.0	–	–	–	–	0.0	–	0.0	–	10.9	–	–	–

TABLE 4. (cont.)

Bathophilus spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0 140.0	–	–	–	–	5.4	–	0.0	–	0.0	–	–	–
93.0 170.0	–	–	–	–	0.0	–	5.2	–	–	–	–	–
93.0 180.0	–	–	–	–	0.0	–	5.2	–	0.0	–	–	–
93.0 200.0	–	–	–	–	0.0	–	5.2	–	–	–	–	–
97.0 90.0	–	0.0	0.0	–	5.3	0.0	–	–	0.0	–	–	–
97.0 100.0	–	–	–	–	4.7	–	–	–	5.8	–	–	–

Eustomias spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0 130.0	–	–	–	–	5.4	–	0.0	–	0.0	–	–	–

Photonectes spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 150.0	–	–	–	–	0.0	–	5.3	–	0.0	–	–	–
90.0 190.0	–	–	–	–	0.0	–	5.7	–	–	–	–	–
90.0 200.0	–	–	–	–	0.0	–	9.9	–	–	–	–	–
93.0 150.0	–	–	–	–	5.3	–	0.0	–	0.0	–	–	–
93.0 170.0	–	–	–	–	0.0	–	5.2	–	–	–	–	–
93.0 200.0	–	–	–	–	5.0	–	0.0	–	–	–	–	–

Tactostoma macropus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0 60.0	–	0.0	–	0.0	0.0	6.1	–	11.1	0.0	–	–	–
73.0 80.0	–	0.0	–	0.0	–	6.1	–	0.0	0.0	–	–	–
73.0 90.0	–	0.0	–	0.0	–	5.7	–	0.0	0.0	–	–	–
83.0 90.0	–	0.0	–	0.0	–	0.0	–	4.6	0.0	–	–	–
87.0 60.0	0.0	0.0	0.0	–	0.0	0.0	–	0.0	10.8	–	–	–
93.0 160.0	–	–	–	–	15.4	–	0.0	–	0.0	–	–	–

Stomias atriventer

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0 70.0	–	12.2	–	0.0	–	0.0	–	0.0	0.0	–	–	–
63.0 80.0	–	0.0	–	–	–	0.0	–	10.3	–	–	–	–
67.0 70.0	–	0.0	–	0.0	–	0.0	–	11.5	0.0	–	–	–
67.0 90.0	–	0.0	–	0.0	–	0.0	–	0.0	33.2	–	–	–
70.0 70.0	–	0.0	–	0.0	0.0	5.7	–	0.0	0.0	–	–	–
70.0 80.0	–	0.0	–	0.0	–	16.2	–	0.0	0.0	–	–	–
70.0 90.0	–	0.0	–	0.0	–	5.8	–	0.0	5.3	–	–	–

TABLE 4. (cont.)

Stomias atriventer (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0	70.0	-	0.0	-	0.0	0.0	0.0	-	0.0	5.6	-	-	-
83.0	55.0	0.0	0.0	-	8.1	0.0	-	-	0.0	0.0	-	-	-
87.0	35.0	0.0	0.0	-	6.4	0.0	0.0	-	0.0	0.0	-	-	-
87.0	45.0	11.2	5.4	-	5.9	0.0	0.0	-	0.0	0.0	-	-	-
87.0	55.0	0.0	0.0	6.0	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	5.8	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	33.0	0.0	0.0	24.7	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	37.0	0.0	0.0	11.8	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	53.0	0.0	5.0	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	60.0	0.0	0.0	12.3	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	80.0	0.0	0.0	0.0	-	0.0	5.3	0.0	-	0.0	-	-	-
90.0	100.0	-	0.0	0.0	-	0.0	-	5.4	-	0.0	-	-	-
90.0	120.0	-	-	-	-	0.0	-	0.0	-	5.3	-	-	-
93.0	55.0	0.0	0.0	29.8	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	10.8	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	70.0	5.4	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	80.0	0.0	0.0	17.4	-	0.0	0.0	0.0	-	0.0	-	-	-
97.0	45.0	9.9	0.0	6.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	50.0	0.0	0.0	11.8	-	0.0	-	0.0	-	0.0	-	-	-
97.0	55.0	0.0	0.0	21.9	-	0.0	-	0.0	-	0.0	-	-	-
97.0	60.0	0.0	0.0	6.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	70.0	-	5.0	5.5	-	14.7	-	0.0	-	0.0	-	-	-
97.0	80.0	-	0.0	5.8	-	4.8	0.0	-	-	0.0	-	-	-
97.0	90.0	-	0.0	0.0	-	15.8	0.0	-	-	0.0	-	-	-
100.0	35.0	0.0	0.0	5.1	-	0.0	-	0.0	-	0.0	-	-	-
100.0	40.0	10.3	0.0	0.0	-	0.0	-	0.0	-	11.3	-	-	-
100.0	45.0	0.0	10.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	50.0	0.0	5.4	0.0	-	0.0	-	9.7	-	0.0	-	-	-
100.0	60.0	0.0	0.0	0.0	-	11.3	-	5.5	-	0.0	-	-	-
100.0	70.0	0.0	18.3	0.0	-	-	-	0.0	-	0.0	-	-	-
100.0	90.0	0.0	0.0	0.0	-	5.2	-	0.0	-	0.0	-	-	-
100.0	100.0	-	-	-	-	4.5	-	-	-	0.0	-	-	-
103.0	40.0	0.0	-	0.0	-	10.5	-	0.0	-	0.0	-	-	-
103.0	50.0	0.0	3.8	0.0	-	0.0	-	4.9	-	0.0	-	-	-
103.0	60.0	0.0	4.7	0.0	-	-	-	2.8	-	0.0	-	-	-
103.0	70.0	0.0	0.0	5.1	-	-	-	0.0	-	0.0	-	-	-
103.0	80.0	0.0	0.0	15.2	-	-	-	0.0	-	0.0	-	-	-
107.0	45.0	0.0	14.3	5.5	-	0.0	-	-	-	0.0	-	-	-
107.0	50.0	0.0	14.0	0.0	-	16.8	-	0.0	-	0.0	-	-	-
107.0	60.0	5.5	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0	35.0	0.0	5.8	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	45.0	0.0	9.0	0.0	-	11.1	-	0.0	-	6.6	-	-	-
110.0	50.0	0.0	11.1	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	60.0	10.6	11.4	10.3	-	-	-	0.0	-	0.0	-	-	-
110.0	70.0	-	5.3	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0	80.0	-	10.0	15.5	-	-	-	5.4	-	0.0	-	-	-

TABLE 4. (cont.)

Stomias atriventer (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	35.0	0.0	0.0	0.0	–	11.4	–	–	–	0.0	–	–	–
113.0	40.0	0.0	9.5	0.0	–	0.0	–	–	0.0	5.7	–	–	–
113.0	50.0	0.0	0.0	0.0	–	12.1	–	0.0	0.0	12.3	–	–	–
113.0	80.0	–	0.0	5.4	–	–	–	0.0	–	0.0	–	–	–
117.0	40.0	–	0.0	0.0	–	–	–	–	12.9	0.0	–	–	–
117.0	45.0	–	0.0	5.7	–	–	–	–	0.0	0.0	–	–	–
117.0	60.0	–	4.5	0.0	–	–	–	–	0.0	5.7	–	–	–
117.0	70.0	–	0.0	5.1	–	–	–	–	0.0	0.0	–	–	–
117.0	80.0	–	4.4	5.8	–	–	–	–	5.7	0.0	–	–	–
120.0	45.0	–	5.3	–	0.0	–	–	–	0.0	0.0	–	–	–
120.0	50.0	–	26.0	–	0.0	–	–	–	9.8	6.1	–	–	–
120.0	70.0	–	5.0	–	0.0	–	–	–	0.0	0.0	–	–	–
120.0	80.0	–	10.4	–	4.7	–	–	–	5.7	0.0	–	–	–
123.0	36.0	–	0.0	–	0.0	–	–	–	4.7	0.0	–	–	–
123.0	45.0	–	14.4	–	0.0	–	–	–	–	0.0	–	–	–
123.0	50.0	–	4.8	–	4.9	–	–	–	0.0	6.2	–	–	–
127.0	45.0	–	0.0	–	0.0	–	–	–	6.8	0.0	–	–	–
127.0	50.0	–	0.0	–	4.9	–	–	–	0.0	0.0	–	–	–
130.0	35.0	–	0.0	–	5.3	–	–	–	0.0	0.0	–	–	–
130.0	40.0	–	0.0	–	0.0	–	–	–	–	6.4	–	–	–
130.0	50.0	–	0.0	–	5.5	–	–	–	0.0	6.0	–	–	–
130.0	60.0	–	9.2	–	5.1	–	–	–	0.0	0.0	–	–	–
133.0	35.0	–	10.6	–	9.4	–	–	–	5.9	0.0	–	–	–
133.0	50.0	–	0.0	–	0.0	–	–	–	0.0	6.0	–	–	–
133.0	60.0	–	16.0	–	0.0	–	–	–	0.0	0.0	–	–	–
137.0	40.0	–	9.9	–	0.0	–	–	–	0.0	0.0	–	–	–
137.0	60.0	–	5.6	–	0.0	–	–	–	5.9	–	–	–	–

Paralepididae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
77.0	65.0	–	0.0	–	11.0	0.0	–	–	0.0	0.0	–	–	–
83.0	90.0	–	0.0	–	0.0	–	0.0	–	0.0	5.8	–	–	–
90.0	90.0	–	0.0	0.0	–	0.0	0.0	32.4	–	0.0	–	–	–
90.0	100.0	–	0.0	0.0	–	0.0	–	21.5	–	0.0	–	–	–
90.0	110.0	–	–	–	–	0.0	–	21.9	–	0.0	–	–	–
90.0	120.0	–	–	–	–	0.0	–	21.1	–	0.0	–	–	–
90.0	140.0	–	–	–	–	5.2	–	0.0	–	0.0	–	–	–
90.0	160.0	–	–	–	–	5.3	–	0.0	–	0.0	–	–	–
93.0	80.0	0.0	4.6	0.0	–	0.0	0.0	0.0	–	0.0	–	–	–
93.0	130.0	–	–	–	–	0.0	–	0.0	–	11.1	–	–	–
93.0	200.0	–	–	–	–	5.0	–	0.0	–	–	–	–	–
97.0	45.0	0.0	0.0	6.0	–	0.0	–	0.0	–	0.0	–	–	–
103.0	70.0	0.0	0.0	0.0	–	–	–	5.7	–	0.0	–	–	–
110.0	70.0	–	0.0	5.5	–	–	–	0.0	–	0.0	–	–	–

TABLE 4. (cont.)

Paralepididae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0 60.0	0.0	0.0	5.3	-	-	-	0.0	0.0	0.0	-	-	-
113.0 70.0	-	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-

Lestidiops ringens

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0 70.0	-	6.1	-	0.0	-	0.0	-	0.0	0.0	-	-	-
60.0 80.0	-	5.7	-	-	-	0.0	-	0.0	0.0	-	-	-
63.0 70.0	-	12.2	-	0.0	-	0.0	-	0.0	0.0	-	-	-
67.0 60.0	-	0.0	-	14.7	0.0	0.0	-	0.0	0.0	-	-	-
70.0 51.0	-	0.0	-	0.0	0.0	0.0	-	10.5	0.0	-	-	-
70.0 80.0	-	0.0	-	4.3	-	0.0	-	0.0	0.0	-	-	-
70.0 90.0	-	0.0	-	0.0	-	5.8	-	0.0	0.0	-	-	-
73.0 65.0	-	0.0	-	0.0	10.7	-	-	0.0	0.0	-	-	-
73.0 80.0	-	0.0	-	0.0	-	6.1	-	0.0	0.0	-	-	-
77.0 55.0	-	0.0	-	0.0	10.5	0.0	-	0.0	0.0	-	-	-
83.0 60.0	5.2	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0 80.0	0.0	0.0	-	0.0	-	0.0	-	4.9	0.0	-	-	-
83.0 90.0	-	5.3	-	0.0	-	0.0	-	0.0	5.8	-	-	-
87.0 55.0	9.8	10.2	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0 70.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	21.6	-	-	-
87.0 80.0	0.0	0.0	0.0	-	-	0.0	-	0.0	11.1	-	-	-
90.0 33.0	0.0	0.0	0.0	-	0.0	0.0	-	10.0	0.0	-	-	-
90.0 37.0	0.0	5.2	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0 45.0	11.2	0.0	0.0	-	0.0	0.0	0.0	-	-	-	-	-
90.0 53.0	9.1	0.0	6.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0 60.0	0.0	0.0	12.3	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0 80.0	0.0	15.3	0.0	-	0.0	0.0	0.0	-	5.4	-	-	-
90.0 90.0	-	0.0	0.0	-	0.0	0.0	0.0	-	5.5	-	-	-
90.0 100.0	-	0.0	0.0	-	5.0	-	5.4	-	5.2	-	-	-
90.0 110.0	-	-	-	-	0.0	-	0.0	-	52.5	-	-	-
90.0 120.0	-	-	-	-	0.0	-	0.0	-	26.6	-	-	-
90.0 130.0	-	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0 50.0	0.0	4.9	0.0	10.9	-	0.0	0.0	-	0.0	-	-	-
93.0 55.0	0.0	0.0	0.0	5.2	-	0.0	0.0	-	0.0	-	-	-
93.0 60.0	0.0	0.0	5.4	0.0	-	5.3	0.0	-	0.0	-	-	-
93.0 70.0	5.4	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 80.0	0.0	0.0	0.0	-	4.7	0.0	0.0	-	0.0	-	-	-
93.0 90.0	-	0.0	6.3	-	0.0	0.0	0.0	-	0.0	-	-	-
93.0 120.0	-	-	-	-	0.0	-	0.0	-	53.3	-	-	-
93.0 150.0	-	-	-	-	5.3	-	0.0	-	0.0	-	-	-
97.0 32.0	5.2	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0 50.0	24.6	0.0	11.8	-	0.0	-	0.0	-	0.0	-	-	-
97.0 60.0	9.5	0.0	12.1	-	0.0	-	4.5	-	0.0	-	-	-
97.0 70.0	-	0.0	0.0	-	0.0	-	2.5	-	0.0	-	-	-

TABLE 4. (cont.)

Lestidiops ringens (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	80.0	–	0.0	0.0	–	0.0	10.0	–	–	0.0	–	–	–
100.0	50.0	0.0	0.0	4.9	–	0.0	–	0.0	–	0.0	–	–	–
100.0	60.0	0.0	0.0	5.7	–	5.7	–	0.0	–	0.0	–	–	–
100.0	70.0	0.0	0.0	0.0	–	–	–	0.0	–	12.1	–	–	–
100.0	80.0	0.0	0.0	0.0	–	0.0	–	5.2	–	0.0	–	–	–
103.0	45.0	0.0	–	0.0	–	36.1	–	0.0	–	0.0	–	–	–
103.0	50.0	0.0	0.0	5.0	–	0.0	–	0.0	–	0.0	–	–	–
103.0	70.0	0.0	0.0	5.1	–	–	–	8.3	–	0.0	–	–	–
107.0	45.0	5.2	4.8	0.0	–	0.0	–	–	–	0.0	–	–	–
107.0	60.0	0.0	0.0	0.0	–	–	–	4.7	–	0.0	–	–	–
107.0	80.0	–	0.0	0.0	–	–	–	3.0	–	0.0	–	–	–
110.0	40.0	4.9	5.7	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0	50.0	0.0	0.0	0.0	–	0.0	–	0.0	9.8	0.0	–	–	–
110.0	60.0	5.3	0.0	5.2	–	–	–	0.0	–	0.0	–	–	–
110.0	70.0	–	0.0	0.0	–	–	–	0.0	–	5.9	–	–	–
113.0	35.0	0.0	0.0	5.1	–	0.0	–	–	–	0.0	–	–	–
113.0	40.0	0.0	0.0	5.3	–	0.0	–	–	0.0	0.0	–	–	–
117.0	70.0	–	0.0	10.2	–	–	–	–	0.0	0.0	–	–	–

Notolepis risso

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	70.0	–	0.0	–	0.0	–	10.5	–	0.0	0.0	–	–	–
67.0	80.0	–	0.0	–	8.3	–	0.0	–	0.0	–	–	–	–
73.0	60.0	–	0.0	–	0.0	0.0	6.1	–	0.0	0.0	–	–	–
77.0	65.0	–	0.0	–	0.0	0.0	–	–	5.5	0.0	–	–	–
90.0	140.0	–	–	–	–	0.0	–	0.0	–	5.3	–	–	–
90.0	150.0	–	–	–	–	0.0	–	5.3	–	0.0	–	–	–
90.0	160.0	–	–	–	–	0.0	–	5.1	–	0.0	–	–	–
90.0	170.0	–	–	–	–	5.3	–	0.0	–	–	–	–	–
90.0	190.0	–	–	–	–	0.0	–	11.3	–	–	–	–	–
93.0	60.0	0.0	0.0	0.0	0.0	–	0.0	5.3	–	0.0	–	–	–
93.0	130.0	–	–	–	–	0.0	–	5.3	–	0.0	–	–	–
93.0	140.0	–	–	–	–	5.4	–	0.0	–	0.0	–	–	–
93.0	150.0	–	–	–	–	5.3	–	0.0	–	0.0	–	–	–
93.0	160.0	–	–	–	–	5.1	–	0.0	–	0.0	–	–	–
93.0	180.0	–	–	–	–	0.0	–	5.2	–	0.0	–	–	–
93.0	190.0	–	–	–	–	5.3	–	0.0	–	–	–	–	–
100.0	70.0	5.1	4.6	0.0	–	–	–	0.0	–	0.0	–	–	–

Stemonosudis macrura

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	130.0	–	–	–	–	0.0	–	5.3	–	0.0	–	–	–

TABLE 4. (cont.)

Sudis atrox

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 140.0	-	-	-	-	5.2	-	0.0	-	0.0	-	-	-
90.0 180.0	-	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0 180.0	-	-	-	-	0.0	-	0.0	-	5.6	-	-	-
93.0 190.0	-	-	-	-	0.0	-	10.3	-	-	-	-	-
93.0 200.0	-	-	-	-	0.0	-	5.2	-	-	-	-	-

Aulopus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
137.0 40.0	-	9.9	-	0.0	-	-	-	0.0	0.0	-	-	-

Scopelosaurus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0 80.0	-	0.0	-	-	-	0.0	-	5.3	0.0	-	-	-
63.0 90.0	-	-	-	-	-	0.0	-	5.4	0.0	-	-	-
70.0 80.0	-	0.0	-	4.3	-	5.4	-	0.0	0.0	-	-	-
73.0 60.0	-	0.0	-	0.0	0.0	12.3	-	22.2	29.0	-	-	-
73.0 70.0	-	0.0	-	0.0	10.4	11.6	-	0.0	5.6	-	-	-
73.0 80.0	-	0.0	-	0.0	-	6.1	-	5.1	0.0	-	-	-
77.0 70.0	-	0.0	-	0.0	0.0	0.0	-	0.0	10.9	-	-	-
80.0 90.0	-	0.0	-	0.0	-	4.9	-	0.0	0.0	-	-	-
90.0 80.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	5.4	-	-	-
90.0 100.0	-	0.0	0.0	-	0.0	-	5.4	-	0.0	-	-	-
90.0 160.0	-	-	-	-	5.3	-	5.1	-	0.0	-	-	-
93.0 90.0	-	0.0	0.0	-	0.0	0.0	0.0	-	5.4	-	-	-
93.0 100.0	-	0.0	0.0	-	0.0	-	10.4	-	0.0	-	-	-
93.0 120.0	-	-	-	-	5.3	-	0.0	-	0.0	-	-	-
93.0 160.0	-	-	-	-	5.1	-	0.0	-	0.0	-	-	-
100.0 100.0	-	-	-	-	0.0	-	-	-	5.8	-	-	-

Scopelarchidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0 90.0	-	0.0	-	0.0	-	0.0	-	0.0	11.6	-	-	-
90.0 140.0	-	-	-	-	0.0	-	0.0	-	5.3	-	-	-
117.0 70.0	-	0.0	0.0	-	-	-	-	5.9	0.0	-	-	-

Benthalbella spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 160.0	-	-	-	-	0.0	-	5.1	-	0.0	-	-	-

TABLE 4. (cont.)

Benthalbella spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0 100.0	–	–	–	–	4.7	–	–	–	0.0	–	–	–
127.0 45.0	–	0.0	–	0.0	–	–	–	6.8	0.0	–	–	–

Benthalbella dentata

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0 70.0	–	0.0	–	0.0	10.8	0.0	–	0.0	0.0	–	–	–
87.0 35.0	0.0	0.0	–	0.0	0.0	0.0	–	12.1	0.0	–	–	–
90.0 70.0	0.0	0.0	5.9	–	0.0	0.0	0.0	–	0.0	–	–	–
90.0 100.0	–	0.0	0.0	–	5.0	–	0.0	–	0.0	–	–	–
90.0 180.0	–	–	–	–	5.5	–	0.0	–	0.0	–	–	–
93.0 50.0	0.0	0.0	6.1	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0 120.0	–	–	–	–	5.3	–	0.0	–	0.0	–	–	–
93.0 170.0	–	–	–	–	5.3	–	0.0	–	–	–	–	–
97.0 32.0	0.0	0.0	0.0	–	0.0	–	5.6	–	0.0	–	–	–
97.0 45.0	0.0	0.0	0.0	–	9.2	–	0.0	–	0.0	–	–	–
97.0 60.0	0.0	0.0	6.0	–	0.0	–	0.0	–	0.0	–	–	–

Rosenblattichthys volucris

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 100.0	–	0.0	0.0	–	0.0	–	0.0	–	5.2	–	–	–
90.0 140.0	–	–	–	–	0.0	–	0.0	–	5.3	–	–	–
90.0 150.0	–	–	–	–	5.2	–	0.0	–	0.0	–	–	–
93.0 90.0	–	0.0	0.0	–	0.0	0.0	0.0	–	5.4	–	–	–
93.0 120.0	–	–	–	–	0.0	–	0.0	–	5.3	–	–	–
93.0 140.0	–	–	–	–	0.0	–	0.0	–	5.4	–	–	–
97.0 35.0	0.0	0.0	0.0	–	0.0	–	4.6	–	0.0	–	–	–
100.0 45.0	0.0	0.0	5.3	–	0.0	–	0.0	–	0.0	–	–	–
100.0 60.0	0.0	21.2	0.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0 80.0	0.0	0.0	0.0	–	0.0	–	5.2	–	0.0	–	–	–
100.0 90.0	0.0	4.5	0.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0 100.0	–	–	–	–	4.5	–	–	–	0.0	–	–	–
103.0 60.0	0.0	4.7	0.0	–	–	–	0.0	–	0.0	–	–	–
103.0 70.0	5.9	0.0	0.0	–	–	–	0.0	–	0.0	–	–	–
103.0 80.0	2.8	4.7	0.0	–	–	–	0.0	–	0.0	–	–	–
107.0 45.0	0.0	0.0	5.5	–	0.0	–	–	–	0.0	–	–	–
107.0 70.0	–	0.0	0.0	–	–	–	0.0	–	6.0	–	–	–
110.0 50.0	0.0	0.0	0.0	–	10.7	–	0.0	0.0	0.0	–	–	–
113.0 60.0	0.0	0.0	5.3	–	–	–	0.0	0.0	0.0	–	–	–
113.0 90.0	–	–	–	–	–	–	–	0.0	5.9	–	–	–
120.0 80.0	–	5.2	–	0.0	–	–	–	0.0	0.0	–	–	–
137.0 60.0	–	5.6	–	0.0	–	–	–	0.0	–	–	–	–

TABLE 4. (cont.)

Scopelarchoides nicholsi

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0 80.0	0.0	0.0	0.0	-	4.7	0.0	0.0	-	0.0	-	-	-

Scopelarchus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 80.0	10.3	0.0	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0 130.0	-	-	-	-	0.0	-	0.0	-	5.4	-	-	-
90.0 150.0	-	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0 160.0	-	-	-	-	0.0	-	0.0	-	36.1	-	-	-
90.0 190.0	-	-	-	-	0.0	-	11.3	-	-	-	-	-
93.0 60.0	0.0	0.0	0.0	0.0	-	5.3	0.0	-	0.0	-	-	-
93.0 100.0	-	0.0	0.0	-	0.0	-	5.2	-	0.0	-	-	-
93.0 140.0	-	-	-	-	5.4	-	4.7	-	5.4	-	-	-
93.0 150.0	-	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0 160.0	-	-	-	-	5.1	-	0.0	-	0.0	-	-	-
93.0 170.0	-	-	-	-	0.0	-	10.5	-	-	-	-	-
93.0 190.0	-	-	-	-	5.3	-	0.0	-	-	-	-	-
97.0 80.0	-	0.0	0.0	-	4.8	0.0	-	-	0.0	-	-	-
100.0 40.0	0.0	4.8	0.0	-	0.0	-	5.0	-	0.0	-	-	-
100.0 80.0	2.9	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0 60.0	0.0	0.0	10.8	-	-	-	0.0	-	0.0	-	-	-
103.0 70.0	0.0	0.0	5.1	-	-	-	0.0	-	0.0	-	-	-
103.0 80.0	0.0	9.5	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0 45.0	5.2	0.0	0.0	-	0.0	-	-	-	0.0	-	-	-
107.0 50.0	0.0	0.0	10.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0 70.0	-	6.2	16.4	-	-	-	0.0	-	0.0	-	-	-
107.0 80.0	-	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-
110.0 70.0	-	0.0	0.0	-	-	-	0.0	-	5.9	-	-	-
113.0 40.0	0.0	0.0	5.3	-	0.0	-	-	0.0	0.0	-	-	-
117.0 80.0	-	8.8	0.0	-	-	-	-	0.0	0.0	-	-	-
118.0 39.0	-	0.0	0.0	-	-	-	-	0.0	6.2	-	-	-
120.0 50.0	-	0.0	-	0.0	-	-	-	9.8	0.0	-	-	-
120.0 70.0	-	0.0	-	0.0	-	-	-	0.0	6.4	-	-	-
120.0 80.0	-	0.0	-	9.5	-	-	-	0.0	0.0	-	-	-
133.0 40.0	-	0.0	-	4.8	-	-	-	0.0	0.0	-	-	-
137.0 50.0	-	0.0	-	5.1	-	-	-	0.0	0.0	-	-	-

Myctophidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0 80.0	-	0.0	-	-	-	0.0	-	21.4	0.0	-	-	-
63.0 70.0	-	0.0	-	0.0	-	0.0	-	11.3	0.0	-	-	-
63.0 90.0	-	-	-	-	-	9.9	-	0.0	0.0	-	-	-
67.0 70.0	-	0.0	-	0.0	-	21.2	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Myctophidae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
67.0 90.0	-	0.0	-	5.2	-	0.0	-	0.0	0.0	-	-	-
70.0 53.0	-	0.0	-	11.0	0.0	0.0	-	0.0	0.0	-	-	-
70.0 90.0	-	10.4	-	0.0	-	5.8	-	15.3	0.0	-	-	-
73.0 53.0	-	0.0	-	0.0	0.0	0.0	-	12.4	0.0	-	-	-
73.0 60.0	-	0.0	-	0.0	0.0	12.3	-	0.0	0.0	-	-	-
73.0 65.0	-	5.5	-	0.0	0.0	-	-	51.3	0.0	-	-	-
73.0 70.0	-	0.0	-	8.1	0.0	0.0	-	29.8	0.0	-	-	-
77.0 51.0	-	0.0	-	0.0	20.8	0.0	-	0.0	0.0	-	-	-
77.0 60.0	-	0.0	-	0.0	0.0	13.4	-	0.0	0.0	-	-	-
77.0 80.0	-	0.0	-	11.1	-	5.9	-	0.0	0.0	-	-	-
77.0 90.0	-	0.0	-	11.0	-	0.0	-	0.0	0.0	-	-	-
80.0 70.0	-	0.0	-	0.0	32.3	12.5	-	0.0	0.0	-	-	-
80.0 90.0	-	0.0	-	0.0	-	4.9	-	0.0	0.0	-	-	-
83.0 51.0	0.0	0.0	-	0.0	0.0	-	-	0.0	20.6	-	-	-
83.0 60.0	0.0	0.0	-	0.0	0.0	0.0	-	11.2	0.0	-	-	-
83.0 70.0	0.0	0.0	-	0.0	10.3	0.0	-	0.0	10.5	-	-	-
83.0 90.0	-	0.0	-	0.0	-	4.9	-	0.0	17.3	-	-	-
87.0 40.0	0.0	0.0	-	5.8	0.0	0.0	-	0.0	0.0	-	-	-
87.0 45.0	0.0	0.0	-	5.9	0.0	0.0	-	0.0	0.0	-	-	-
87.0 55.0	0.0	0.0	6.0	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0 60.0	0.0	0.0	0.0	-	0.0	0.0	-	10.7	0.0	-	-	-
87.0 70.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	5.4	-	-	-
87.0 90.0	-	5.1	0.0	-	-	0.0	-	13.2	0.0	-	-	-
90.0 29.0	0.0	0.0	0.0	-	9.7	0.0	-	0.0	0.0	-	-	-
90.0 45.0	0.0	0.0	11.2	-	10.8	0.0	0.0	-	-	-	-	-
90.0 53.0	0.0	0.0	0.0	-	16.0	0.0	0.0	-	0.0	-	-	-
90.0 70.0	0.0	0.0	0.0	-	0.0	0.0	7.8	-	0.0	-	-	-
90.0 80.0	0.0	0.0	0.0	-	5.2	0.0	0.0	-	0.0	-	-	-
90.0 90.0	-	5.6	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0 100.0	-	0.0	5.5	-	15.1	-	5.4	-	0.0	-	-	-
90.0 110.0	-	-	-	-	10.4	-	0.0	-	5.3	-	-	-
90.0 120.0	-	-	-	-	0.0	-	0.0	-	26.6	-	-	-
90.0 130.0	-	-	-	-	0.0	-	5.6	-	0.0	-	-	-
90.0 140.0	-	-	-	-	0.0	-	5.4	-	16.0	-	-	-
90.0 150.0	-	-	-	-	0.0	-	16.0	-	0.0	-	-	-
90.0 160.0	-	-	-	-	0.0	-	5.1	-	0.0	-	-	-
90.0 180.0	-	-	-	-	0.0	-	0.0	-	5.4	-	-	-
90.0 190.0	-	-	-	-	5.4	-	17.0	-	-	-	-	-
90.0 200.0	-	-	-	-	5.2	-	5.0	-	-	-	-	-
93.0 45.0	11.1	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 90.0	-	0.0	6.3	-	0.0	0.0	0.0	-	0.0	-	-	-
93.0 100.0	-	0.0	5.5	-	5.6	-	5.2	-	0.0	-	-	-
93.0 110.0	-	-	-	-	5.2	-	0.0	-	21.8	-	-	-
93.0 120.0	-	-	-	-	15.9	-	5.2	-	10.7	-	-	-
93.0 130.0	-	-	-	-	0.0	-	5.3	-	0.0	-	-	-
93.0 140.0	-	-	-	-	5.4	-	9.3	-	5.4	-	-	-

TABLE 4. (cont.)

Myctophidae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0 150.0	-	-	-	-	0.0	-	4.9	-	0.0	-	-	-
93.0 160.0	-	-	-	-	5.1	-	5.0	-	15.8	-	-	-
93.0 170.0	-	-	-	-	0.0	-	10.5	-	-	-	-	-
93.0 180.0	-	-	-	-	0.0	-	0.0	-	27.9	-	-	-
93.0 190.0	-	-	-	-	15.8	-	0.0	-	-	-	-	-
93.0 200.0	-	-	-	-	5.0	-	5.2	-	-	-	-	-
97.0 45.0	0.0	0.0	0.0	-	0.0	-	6.2	-	0.0	-	-	-
97.0 55.0	0.0	0.0	0.0	-	5.3	-	0.0	-	0.0	-	-	-
97.0 80.0	-	0.0	0.0	-	0.0	0.0	-	-	24.7	-	-	-
100.0 30.0	0.0	0.0	0.0	-	0.0	-	5.9	-	0.0	-	-	-
100.0 35.0	5.8	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0 50.0	0.0	5.4	0.0	-	0.0	-	29.0	-	0.0	-	-	-
100.0 60.0	0.0	0.0	0.0	-	0.0	-	5.5	-	0.0	-	-	-
100.0 70.0	5.1	4.6	0.0	-	-	-	5.1	-	0.0	-	-	-
100.0 80.0	2.9	0.0	16.8	-	0.0	-	5.2	-	0.0	-	-	-
100.0 90.0	2.6	4.5	0.0	-	0.0	-	15.2	-	27.0	-	-	-
100.0 100.0	-	-	-	-	27.2	-	-	-	0.0	-	-	-
103.0 35.0	3.2	-	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0 45.0	0.0	-	5.1	-	0.0	-	0.0	-	0.0	-	-	-
103.0 60.0	0.0	4.7	0.0	-	-	-	0.0	-	0.0	-	-	-
103.0 70.0	0.0	0.0	0.0	-	-	-	2.7	-	0.0	-	-	-
103.0 80.0	0.0	14.2	10.2	-	-	-	0.0	-	0.0	-	-	-
103.0 90.0	-	-	-	-	-	-	0.0	-	6.3	-	-	-
107.0 35.0	0.0	0.0	0.0	-	11.0	-	0.0	0.0	0.0	-	-	-
107.0 50.0	0.0	0.0	0.0	-	11.2	-	0.0	-	0.0	-	-	-
107.0 60.0	0.0	0.0	0.0	-	-	-	2.6	-	0.0	-	-	-
107.0 70.0	-	0.0	0.0	-	-	-	0.0	-	6.0	-	-	-
107.0 80.0	-	5.3	0.0	-	-	-	2.5	-	0.0	-	-	-
110.0 35.0	0.0	5.8	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0 40.0	0.0	0.0	0.0	-	0.0	-	0.0	10.5	0.0	-	-	-
110.0 45.0	0.0	0.0	5.1	-	0.0	-	0.0	-	86.3	-	-	-
110.0 60.0	0.0	0.0	0.0	-	-	-	0.0	-	19.3	-	-	-
110.0 70.0	-	0.0	5.5	-	-	-	0.0	-	0.0	-	-	-
110.0 80.0	-	5.0	0.0	-	-	-	0.0	-	0.0	-	-	-
113.0 45.0	0.0	0.0	0.0	-	0.0	-	-	0.0	5.9	-	-	-
113.0 50.0	0.0	0.0	0.0	-	0.0	-	0.0	32.9	0.0	-	-	-
113.0 70.0	-	4.8	0.0	-	-	-	0.0	-	0.0	-	-	-
113.0 80.0	-	0.0	10.7	-	-	-	0.0	-	0.0	-	-	-
113.0 90.0	-	-	-	-	-	-	-	20.4	0.0	-	-	-
117.0 45.0	-	0.0	0.0	-	-	-	-	0.0	21.4	-	-	-
117.0 70.0	-	3.9	0.0	-	-	-	-	0.0	0.0	-	-	-
117.0 80.0	-	0.0	0.0	-	-	-	-	5.7	0.0	-	-	-
120.0 50.0	-	10.4	-	0.0	-	-	-	0.0	6.1	-	-	-
120.0 60.0	-	0.0	-	0.0	-	-	-	22.5	53.4	-	-	-
120.0 80.0	-	0.0	-	4.7	-	-	-	0.0	0.0	-	-	-
123.0 42.0	-	4.6	-	-	-	-	-	-	0.0	-	-	-

TABLE 4. (cont.)

Myctophidae (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
123.0	50.0	–	0.0	–	0.0	–	–	–	11.1	12.4	–	–	–
123.0	60.0	–	5.2	–	0.0	–	–	–	0.0	13.0	–	–	–
127.0	34.0	–	4.2	–	0.0	–	–	–	0.0	0.0	–	–	–
127.0	40.0	–	–	–	4.8	–	–	–	0.0	0.0	–	–	–
127.0	45.0	–	4.7	–	0.0	–	–	–	27.0	0.0	–	–	–
127.0	50.0	–	22.9	–	14.8	–	–	–	0.0	0.0	–	–	–
127.0	60.0	–	4.7	–	–	–	–	–	5.9	0.0	–	–	–
130.0	40.0	–	0.0	–	10.7	–	–	–	–	0.0	–	–	–
130.0	50.0	–	0.0	–	0.0	–	–	–	5.8	0.0	–	–	–
130.0	60.0	–	4.6	–	0.0	–	–	–	0.0	0.0	–	–	–
133.0	50.0	–	0.0	–	0.0	–	–	–	5.9	6.0	–	–	–
137.0	35.0	–	10.7	–	0.0	–	–	–	0.0	0.0	–	–	–
137.0	40.0	–	44.5	–	0.0	–	–	–	0.0	0.0	–	–	–
137.0	50.0	–	0.0	–	0.0	–	–	–	11.2	12.9	–	–	–
137.0	60.0	–	5.6	–	5.2	–	–	–	0.0	–	–	–	–

Bolinichthys spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	110.0	–	–	–	–	0.0	–	0.0	–	5.4	–	–	–
93.0	180.0	–	–	–	–	0.0	–	10.3	–	0.0	–	–	–

Ceratoscopelus townsendi

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	80.0	–	0.0	–	–	–	0.0	–	5.3	0.0	–	–	–
60.0	90.0	–	–	–	–	–	0.0	–	9.2	39.8	–	–	–
63.0	70.0	–	0.0	–	0.0	–	0.0	–	0.0	11.3	–	–	–
63.0	90.0	–	–	–	–	–	0.0	–	0.0	16.8	–	–	–
67.0	90.0	–	0.0	–	0.0	–	5.9	–	0.0	27.7	–	–	–
70.0	70.0	–	0.0	–	0.0	0.0	11.3	–	0.0	11.2	–	–	–
70.0	80.0	–	0.0	–	0.0	–	32.3	–	11.3	0.0	–	–	–
70.0	90.0	–	0.0	–	0.0	–	11.5	–	71.4	31.8	–	–	–
73.0	60.0	–	0.0	–	0.0	0.0	6.1	–	0.0	0.0	–	–	–
73.0	65.0	–	0.0	–	0.0	0.0	–	–	20.5	10.4	–	–	–
73.0	70.0	–	0.0	–	0.0	0.0	0.0	–	24.8	0.0	–	–	–
73.0	80.0	–	0.0	–	0.0	–	24.2	–	5.1	0.0	–	–	–
73.0	90.0	–	0.0	–	0.0	–	5.7	–	39.1	11.0	–	–	–
77.0	65.0	–	0.0	–	0.0	0.0	–	–	5.5	0.0	–	–	–
77.0	70.0	–	0.0	–	0.0	0.0	0.0	–	21.1	0.0	–	–	–
77.0	90.0	–	5.4	–	0.0	–	18.1	–	21.9	0.0	–	–	–
83.0	42.0	–	0.0	–	0.0	0.0	9.3	–	0.0	0.0	–	–	–
83.0	90.0	–	0.0	–	0.0	–	4.9	–	4.6	46.2	–	–	–
87.0	36.0	0.0	0.0	–	5.6	0.0	–	–	0.0	0.0	–	–	–

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0 60.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	32.3	-	-	-
87.0 70.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	64.7	-	-	-
87.0 80.0	0.0	0.0	0.0	-	-	0.0	-	0.0	55.5	-	-	-
87.0 90.0	-	0.0	6.0	-	-	20.5	-	8.8	11.0	-	-	-
90.0 70.0	0.0	0.0	0.0	-	0.0	5.2	0.0	-	0.0	-	-	-
90.0 80.0	0.0	0.0	0.0	-	0.0	0.0	15.8	-	10.7	-	-	-
90.0 90.0	-	0.0	0.0	-	0.0	0.0	21.6	-	22.0	-	-	-
90.0 100.0	-	5.5	5.5	-	65.3	-	37.6	-	41.2	-	-	-
90.0 110.0	-	-	-	-	0.0	-	32.8	-	147.0	-	-	-
90.0 120.0	-	-	-	-	25.5	-	0.0	-	154.6	-	-	-
90.0 130.0	-	-	-	-	5.0	-	0.0	-	206.0	-	-	-
90.0 140.0	-	-	-	-	15.7	-	204.8	-	32.0	-	-	-
90.0 150.0	-	-	-	-	57.5	-	604.5	-	63.1	-	-	-
90.0 160.0	-	-	-	-	21.2	-	178.5	-	185.8	-	-	-
90.0 170.0	-	-	-	-	90.9	-	143.1	-	-	-	-	-
90.0 180.0	-	-	-	-	72.0	-	35.2	-	211.0	-	-	-
90.0 190.0	-	-	-	-	48.3	-	130.2	-	-	-	-	-
90.0 200.0	-	-	-	-	61.8	-	84.3	-	-	-	-	-
93.0 60.0	0.0	0.0	0.0	0.0	-	5.3	0.0	-	0.0	-	-	-
93.0 70.0	0.0	0.0	0.0	10.1	-	0.0	0.0	-	0.0	-	-	-
93.0 80.0	0.0	0.0	5.8	-	0.0	15.5	35.5	-	23.8	-	-	-
93.0 90.0	-	0.0	0.0	-	0.0	19.7	15.4	-	54.3	-	-	-
93.0 100.0	-	0.0	11.0	-	0.0	-	15.6	-	11.1	-	-	-
93.0 110.0	-	-	-	-	0.0	-	92.0	-	146.9	-	-	-
93.0 120.0	-	-	-	-	84.8	-	20.8	-	37.3	-	-	-
93.0 130.0	-	-	-	-	98.1	-	105.6	-	88.5	-	-	-
93.0 140.0	-	-	-	-	80.8	-	56.0	-	59.2	-	-	-
93.0 150.0	-	-	-	-	105.4	-	69.2	-	65.3	-	-	-
93.0 160.0	-	-	-	-	97.3	-	150.0	-	63.2	-	-	-
93.0 170.0	-	-	-	-	26.3	-	15.7	-	-	-	-	-
93.0 180.0	-	-	-	-	59.2	-	165.1	-	11.2	-	-	-
93.0 190.0	-	-	-	-	73.9	-	36.0	-	-	-	-	-
93.0 200.0	-	-	-	-	39.7	-	88.6	-	-	-	-	-
97.0 45.0	0.0	0.0	0.0	-	0.0	-	6.2	-	0.0	-	-	-
97.0 50.0	0.0	0.0	5.9	-	0.0	-	0.0	-	0.0	-	-	-
97.0 55.0	0.0	0.0	0.0	-	5.3	-	0.0	-	0.0	-	-	-
97.0 70.0	-	0.0	0.0	-	9.8	-	0.0	-	0.0	-	-	-
97.0 80.0	-	0.0	0.0	-	29.0	40.1	-	-	6.2	-	-	-
97.0 90.0	-	0.0	0.0	-	10.5	5.0	-	-	93.4	-	-	-
97.0 100.0	-	-	-	-	60.6	-	-	-	133.2	-	-	-
100.0 60.0	0.0	0.0	5.7	-	0.0	-	0.0	-	6.2	-	-	-
100.0 70.0	0.0	27.4	0.0	-	-	-	25.5	-	42.4	-	-	-
100.0 80.0	17.5	9.3	0.0	-	5.0	-	36.3	-	0.0	-	-	-
100.0 90.0	10.4	9.1	5.8	-	10.3	-	76.2	-	27.0	-	-	-
100.0 100.0	-	-	-	-	27.2	-	-	-	219.6	-	-	-
103.0 45.0	12.5	-	0.0	-	0.0	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
103.0	60.0	0.0	4.7	10.8	-	-	-	15.6	-	0.0	-	-	-
103.0	70.0	5.9	0.0	0.0	-	-	-	11.2	-	0.0	-	-	-
103.0	80.0	2.8	14.2	10.2	-	-	-	10.2	-	49.2	-	-	-
103.0	90.0	-	-	-	-	-	-	44.2	-	25.3	-	-	-
107.0	60.0	0.0	15.6	0.0	-	-	-	5.1	-	0.0	-	-	-
107.0	70.0	-	0.0	16.4	-	-	-	5.3	-	30.2	-	-	-
107.0	80.0	-	5.3	10.7	-	-	-	28.4	-	5.8	-	-	-
107.0	90.0	-	-	-	-	-	-	10.8	-	11.4	-	-	-
110.0	45.0	0.0	0.0	0.0	-	0.0	-	0.0	-	6.6	-	-	-
110.0	60.0	0.0	0.0	0.0	-	-	-	0.0	-	9.6	-	-	-
110.0	70.0	-	0.0	0.0	-	-	-	0.0	-	5.9	-	-	-
110.0	80.0	-	0.0	25.9	-	-	-	0.0	-	11.3	-	-	-
110.0	90.0	-	-	-	-	-	-	-	-	5.8	-	-	-
113.0	40.0	0.0	9.5	0.0	-	0.0	-	-	0.0	0.0	-	-	-
113.0	60.0	0.0	4.4	0.0	-	-	-	5.4	0.0	0.0	-	-	-
113.0	70.0	-	4.8	10.8	-	-	-	0.0	-	0.0	-	-	-
113.0	80.0	-	3.9	16.1	-	-	-	10.3	-	0.0	-	-	-
113.0	90.0	-	-	-	-	-	-	-	0.0	11.8	-	-	-
117.0	45.0	-	0.0	0.0	-	-	-	-	6.1	0.0	-	-	-
117.0	70.0	-	3.9	5.1	-	-	-	-	0.0	23.6	-	-	-
117.0	80.0	-	4.4	5.8	-	-	-	-	0.0	12.6	-	-	-
120.0	50.0	-	5.2	-	0.0	-	-	-	9.8	6.1	-	-	-
120.0	60.0	-	0.0	-	0.0	-	-	-	5.6	5.9	-	-	-
120.0	70.0	-	0.0	-	4.9	-	-	-	39.3	0.0	-	-	-
120.0	80.0	-	0.0	-	4.7	-	-	-	5.7	0.0	-	-	-
123.0	42.0	-	0.0	-	-	-	-	-	-	5.6	-	-	-
123.0	45.0	-	0.0	-	0.0	-	-	-	-	6.0	-	-	-
123.0	60.0	-	0.0	-	0.0	-	-	-	6.1	0.0	-	-	-
127.0	45.0	-	0.0	-	0.0	-	-	-	6.8	0.0	-	-	-
127.0	50.0	-	0.0	-	0.0	-	-	-	6.7	0.0	-	-	-
127.0	60.0	-	0.0	-	-	-	-	-	17.6	6.2	-	-	-
130.0	50.0	-	0.0	-	5.5	-	-	-	0.0	0.0	-	-	-
133.0	40.0	-	5.9	-	4.8	-	-	-	12.3	0.0	-	-	-
133.0	50.0	-	0.0	-	0.0	-	-	-	11.8	0.0	-	-	-
133.0	60.0	-	0.0	-	25.9	-	-	-	6.0	5.9	-	-	-
137.0	50.0	-	0.0	-	5.1	-	-	-	5.6	0.0	-	-	-

Diaphus spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	-	0.0	-	0.0	0.0	0.0	-	0.0	13.0	-	-	-
60.0	60.0	-	0.0	-	0.0	0.0	0.0	-	32.4	0.0	-	-	-
60.0	65.0	-	0.0	-	-	-	-	-	10.9	10.7	-	-	-
60.0	70.0	-	0.0	-	0.0	-	0.0	-	79.1	11.6	-	-	-
60.0	80.0	-	0.0	-	-	-	0.0	-	5.3	0.0	-	-	-

TABLE 4. (cont.)

Diaphus spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	90.0	-	-	-	-	-	0.0	-	32.3	0.0	-	-	-
63.0	52.0	-	0.0	-	0.0	0.0	0.0	-	10.3	0.0	-	-	-
63.0	55.0	-	0.0	-	0.0	0.0	0.0	-	21.3	10.3	-	-	-
63.0	60.0	-	0.0	-	0.0	0.0	0.0	-	31.9	0.0	-	-	-
63.0	65.0	-	0.0	-	0.0	-	-	-	100.2	11.1	-	-	-
63.0	70.0	-	0.0	-	0.0	-	0.0	-	45.1	0.0	-	-	-
63.0	80.0	-	0.0	-	-	-	0.0	-	82.1	-	-	-	-
63.0	90.0	-	-	-	-	-	0.0	-	27.1	11.2	-	-	-
67.0	50.0	-	0.0	-	0.0	0.0	0.0	-	11.2	0.0	-	-	-
67.0	55.0	-	0.0	-	0.0	0.0	0.0	-	13.5	0.0	-	-	-
67.0	60.0	-	0.0	-	0.0	0.0	0.0	-	34.8	9.9	-	-	-
67.0	65.0	-	0.0	-	0.0	-	-	-	122.3	0.0	-	-	-
67.0	70.0	-	0.0	-	0.0	-	0.0	-	321.1	0.0	-	-	-
67.0	80.0	-	0.0	-	0.0	-	0.0	-	35.8	-	-	-	-
67.0	90.0	-	0.0	-	0.0	-	17.9	-	61.9	38.8	-	-	-
70.0	53.0	-	0.0	-	0.0	0.0	0.0	-	210.8	0.0	-	-	-
70.0	60.0	-	0.0	-	0.0	0.0	0.0	-	21.4	10.5	-	-	-
70.0	65.0	-	0.0	-	0.0	0.0	-	-	29.1	0.0	-	-	-
70.0	70.0	-	0.0	-	0.0	0.0	0.0	-	32.7	55.9	-	-	-
70.0	80.0	-	0.0	-	0.0	-	26.9	-	33.9	11.0	-	-	-
70.0	90.0	-	0.0	-	0.0	-	5.8	-	10.2	5.3	-	-	-
73.0	50.0	-	0.0	-	0.0	0.0	0.0	-	10.8	0.0	-	-	-
73.0	53.0	-	0.0	-	0.0	0.0	0.0	-	12.4	0.0	-	-	-
73.0	60.0	-	0.0	-	0.0	0.0	6.1	-	0.0	19.3	-	-	-
73.0	65.0	-	0.0	-	0.0	0.0	-	-	5.1	10.4	-	-	-
73.0	80.0	-	0.0	-	0.0	-	6.1	-	15.3	33.0	-	-	-
77.0	51.0	-	0.0	-	0.0	0.0	0.0	-	11.2	0.0	-	-	-
77.0	55.0	-	0.0	-	0.0	0.0	0.0	-	45.4	0.0	-	-	-
77.0	60.0	-	0.0	-	0.0	0.0	0.0	-	58.9	22.9	-	-	-
77.0	65.0	-	0.0	-	0.0	0.0	-	-	5.5	0.0	-	-	-
77.0	70.0	-	0.0	-	0.0	0.0	11.9	-	21.1	32.8	-	-	-
77.0	80.0	-	0.0	-	0.0	-	17.8	-	0.0	0.0	-	-	-
77.0	90.0	-	0.0	-	0.0	-	0.0	-	11.0	5.4	-	-	-
80.0	60.0	-	0.0	-	0.0	0.0	0.0	-	30.2	0.0	-	-	-
80.0	70.0	-	0.0	-	0.0	0.0	0.0	-	21.9	0.0	-	-	-
80.0	80.0	-	0.0	-	0.0	-	0.0	-	11.4	23.3	-	-	-
80.0	90.0	-	0.0	-	0.0	-	24.5	-	71.4	0.0	-	-	-
83.0	51.0	0.0	0.0	-	0.0	11.6	-	-	0.0	0.0	-	-	-
83.0	55.0	0.0	0.0	-	0.0	0.0	-	-	40.5	0.0	-	-	-
83.0	60.0	0.0	0.0	-	0.0	0.0	0.0	-	78.1	0.0	-	-	-
83.0	80.0	0.0	0.0	-	0.0	-	0.0	-	19.6	41.2	-	-	-
83.0	90.0	-	0.0	-	0.0	-	0.0	-	27.5	0.0	-	-	-
87.0	32.7	0.0	0.0	-	0.0	4.3	0.0	-	0.0	0.0	-	-	-
87.0	35.0	0.0	0.0	-	0.0	21.3	0.0	-	12.1	0.0	-	-	-
87.0	40.0	0.0	0.0	-	5.8	0.0	48.6	-	0.0	0.0	-	-	-
87.0	45.0	0.0	0.0	-	0.0	0.0	0.0	-	13.4	0.0	-	-	-

TABLE 4. (cont.)

Diaphus spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	50.0	0.0	0.0	0.0	-	0.0	0.0	-	22.8	0.0	-	-	-
87.0	55.0	0.0	0.0	0.0	-	0.0	12.4	-	19.1	0.0	-	-	-
87.0	60.0	0.0	0.0	0.0	-	0.0	10.6	-	117.7	10.8	-	-	-
87.0	70.0	0.0	0.0	0.0	-	0.0	0.0	-	20.1	5.4	-	-	-
87.0	80.0	0.0	0.0	0.0	-	-	14.9	-	0.0	5.6	-	-	-
87.0	90.0	-	0.0	0.0	-	-	0.0	-	0.0	16.4	-	-	-
90.0	28.0	0.0	0.0	0.0	-	0.0	9.0	-	0.0	0.0	-	-	-
90.0	29.0	0.0	0.0	0.0	-	9.7	0.0	-	10.3	0.0	-	-	-
90.0	30.0	0.0	0.0	0.0	-	0.0	96.2	-	60.0	0.0	-	-	-
90.0	31.0	0.0	0.0	0.0	-	0.0	0.0	-	22.4	0.0	-	-	-
90.0	45.0	0.0	0.0	0.0	-	0.0	23.2	10.9	-	-	-	-	-
90.0	53.0	0.0	0.0	0.0	-	0.0	0.0	24.5	-	0.0	-	-	-
90.0	60.0	0.0	0.0	0.0	-	0.0	0.0	5.4	-	11.5	-	-	-
90.0	70.0	0.0	0.0	0.0	-	0.0	0.0	39.2	-	5.7	-	-	-
90.0	80.0	0.0	0.0	0.0	-	0.0	0.0	5.3	-	5.4	-	-	-
90.0	110.0	-	-	-	-	0.0	-	16.4	-	0.0	-	-	-
90.0	120.0	-	-	-	-	0.0	-	5.3	-	21.3	-	-	-
90.0	130.0	-	-	-	-	0.0	-	5.6	-	0.0	-	-	-
90.0	150.0	-	-	-	-	0.0	-	16.0	-	10.5	-	-	-
90.0	180.0	-	-	-	-	0.0	-	10.1	-	21.6	-	-	-
90.0	190.0	-	-	-	-	0.0	-	5.7	-	-	-	-	-
93.0	30.0	0.0	0.0	0.0	0.0	-	12.4	0.0	-	0.0	-	-	-
93.0	35.0	0.0	0.0	0.0	11.0	-	0.0	10.1	-	0.0	-	-	-
93.0	40.0	0.0	0.0	0.0	0.0	-	0.0	22.2	-	0.0	-	-	-
93.0	45.0	0.0	0.0	0.0	0.0	-	0.0	10.1	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	0.0	-	5.3	5.3	-	0.0	-	-	-
93.0	70.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	5.4	-	-	-
93.0	80.0	0.0	0.0	0.0	-	0.0	5.2	0.0	-	35.7	-	-	-
93.0	110.0	-	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0	180.0	-	-	-	-	0.0	-	20.6	-	0.0	-	-	-
93.5	29.0	-	-	-	-	-	-	28.5	0.0	-	-	-	-
97.0	32.0	0.0	0.0	0.0	-	0.0	-	18.5	-	0.0	-	-	-
97.0	35.0	0.0	0.0	0.0	-	0.0	-	4.6	-	0.0	-	-	-
97.0	50.0	0.0	0.0	0.0	-	0.0	-	6.1	-	0.0	-	-	-
97.0	55.0	0.0	0.0	0.0	-	0.0	-	5.7	-	0.0	-	-	-
97.0	60.0	0.0	0.0	0.0	-	0.0	-	0.0	-	23.8	-	-	-
100.0	35.0	0.0	0.0	0.0	-	0.0	-	5.6	-	0.0	-	-	-
100.0	60.0	0.0	0.0	0.0	-	0.0	-	0.0	-	6.2	-	-	-
103.0	30.0	0.0	3.3	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	40.0	0.0	-	0.0	-	0.0	-	13.5	-	0.0	-	-	-
103.0	45.0	0.0	-	0.0	-	0.0	-	5.2	-	0.0	-	-	-
103.0	50.0	0.0	0.0	0.0	-	0.0	-	0.0	-	12.3	-	-	-
103.0	80.0	0.0	0.0	0.0	-	-	-	0.0	-	6.2	-	-	-
107.0	32.0	0.0	0.0	0.0	-	0.0	-	11.4	0.0	0.0	-	-	-
110.0	40.0	0.0	0.0	0.0	-	10.9	-	0.0	0.0	0.0	-	-	-
113.0	40.0	0.0	4.7	0.0	-	0.0	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Lampadena urophaos

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 120.0	-	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0 130.0	-	-	-	-	0.0	-	0.0	-	5.4	-	-	-
90.0 140.0	-	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0 180.0	-	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0 100.0	-	0.0	0.0	-	0.0	-	5.2	-	0.0	-	-	-
93.0 110.0	-	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0 130.0	-	-	-	-	0.0	-	0.0	-	5.5	-	-	-
97.0 100.0	-	-	-	-	0.0	-	-	-	11.6	-	-	-
100.0 100.0	-	-	-	-	0.0	-	-	-	28.9	-	-	-
107.0 70.0	-	0.0	0.0	-	-	-	0.0	-	12.1	-	-	-
107.0 80.0	-	0.0	0.0	-	-	-	0.0	-	5.8	-	-	-
113.0 80.0	-	0.0	0.0	-	-	-	0.0	-	5.8	-	-	-
120.0 70.0	-	0.0	-	0.0	-	-	-	33.7	0.0	-	-	-
123.0 42.0	-	0.0	-	-	-	-	-	-	11.1	-	-	-
123.0 45.0	-	0.0	-	0.0	-	-	-	-	6.0	-	-	-
127.0 60.0	-	0.0	-	-	-	-	-	5.9	0.0	-	-	-
137.0 50.0	-	0.0	-	5.1	-	-	-	0.0	0.0	-	-	-
137.0 60.0	-	0.0	-	5.2	-	-	-	5.9	-	-	-	-

Lampanyctus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0 90.0	-	-	-	-	-	0.0	-	0.0	28.4	-	-	-
63.0 52.0	-	0.0	-	0.0	0.0	0.0	-	0.0	22.0	-	-	-
63.0 55.0	-	0.0	-	10.0	0.0	0.0	-	0.0	20.7	-	-	-
63.0 80.0	-	0.0	-	-	-	0.0	-	20.5	-	-	-	-
63.0 90.0	-	-	-	-	-	39.7	-	5.4	16.8	-	-	-
67.0 50.0	-	0.0	-	0.0	0.0	0.0	-	0.0	22.4	-	-	-
67.0 55.0	-	0.0	-	13.1	0.0	0.0	-	0.0	0.0	-	-	-
67.0 60.0	-	0.0	-	0.0	33.1	11.8	-	0.0	0.0	-	-	-
67.0 70.0	-	0.0	-	0.0	-	63.5	-	22.9	0.0	-	-	-
67.0 80.0	-	0.0	-	8.3	-	24.4	-	11.9	-	-	-	-
67.0 90.0	-	0.0	-	0.0	-	5.9	-	0.0	0.0	-	-	-
70.0 53.0	-	0.0	-	0.0	0.0	12.2	-	0.0	0.0	-	-	-
70.0 60.0	-	10.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
70.0 70.0	-	0.0	-	0.0	0.0	0.0	-	0.0	11.2	-	-	-
70.0 90.0	-	10.4	-	0.0	-	34.6	-	0.0	0.0	-	-	-
73.0 50.0	-	0.0	-	0.0	0.0	30.0	-	10.8	0.0	-	-	-
73.0 60.0	-	0.0	-	0.0	0.0	18.4	-	0.0	9.7	-	-	-
73.0 65.0	-	0.0	-	0.0	0.0	-	-	5.1	20.7	-	-	-
73.0 70.0	-	0.0	-	0.0	0.0	0.0	-	0.0	5.6	-	-	-
73.0 80.0	-	0.0	-	0.0	-	36.3	-	5.1	0.0	-	-	-
73.0 90.0	-	0.0	-	0.0	-	17.2	-	0.0	0.0	-	-	-
77.0 51.0	-	0.0	-	0.0	0.0	28.8	-	0.0	0.0	-	-	-
77.0 55.0	-	0.0	-	0.0	0.0	50.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
77.0	60.0	-	0.0	-	0.0	0.0	40.2	-	0.0	0.0	-	-	-
77.0	65.0	-	0.0	-	0.0	0.0	-	-	10.9	10.5	-	-	-
77.0	70.0	-	0.0	-	0.0	0.0	11.9	-	5.3	0.0	-	-	-
77.0	90.0	-	0.0	-	0.0	-	0.0	-	5.5	0.0	-	-	-
80.0	60.0	-	0.0	-	0.0	0.0	11.7	-	0.0	0.0	-	-	-
80.0	80.0	-	0.0	-	10.5	-	31.1	-	0.0	0.0	-	-	-
80.0	90.0	-	0.0	-	5.4	-	0.0	-	0.0	0.0	-	-	-
83.0	51.0	5.2	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
83.0	55.0	0.0	0.0	-	8.1	0.0	-	-	0.0	0.0	-	-	-
83.0	60.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	52.5	-	-	-
83.0	90.0	-	0.0	-	0.0	-	0.0	-	0.0	5.8	-	-	-
87.0	40.0	0.0	0.0	-	5.8	0.0	12.2	-	0.0	0.0	-	-	-
87.0	45.0	0.0	0.0	-	5.9	0.0	0.0	-	0.0	0.0	-	-	-
87.0	55.0	0.0	0.0	12.0	-	0.0	12.4	-	0.0	0.0	-	-	-
87.0	60.0	0.0	0.0	12.1	-	11.3	0.0	-	0.0	10.8	-	-	-
87.0	70.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	10.8	-	-	-
87.0	80.0	0.0	0.0	5.7	-	-	0.0	-	0.0	22.2	-	-	-
87.0	90.0	-	0.0	0.0	-	-	0.0	-	0.0	5.5	-	-	-
90.0	29.0	0.0	0.0	13.9	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	30.0	0.0	10.5	0.0	-	0.0	0.0	-	12.0	0.0	-	-	-
90.0	33.0	0.0	0.0	12.4	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	37.0	0.0	0.0	11.8	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	45.0	0.0	0.0	33.5	-	0.0	11.6	0.0	-	-	-	-	-
90.0	60.0	0.0	0.0	12.3	-	4.8	0.0	0.0	-	0.0	-	-	-
90.0	70.0	0.0	0.0	5.9	-	4.6	0.0	7.8	-	5.7	-	-	-
90.0	80.0	10.3	0.0	5.8	-	0.0	21.3	21.1	-	0.0	-	-	-
90.0	90.0	-	0.0	11.8	-	0.0	5.2	10.8	-	0.0	-	-	-
90.0	100.0	-	0.0	21.9	-	0.0	-	10.7	-	15.5	-	-	-
90.0	110.0	-	-	-	-	0.0	-	27.3	-	5.3	-	-	-
90.0	120.0	-	-	-	-	5.1	-	0.0	-	0.0	-	-	-
90.0	130.0	-	-	-	-	10.0	-	16.8	-	10.8	-	-	-
90.0	140.0	-	-	-	-	47.0	-	10.8	-	5.3	-	-	-
90.0	150.0	-	-	-	-	41.8	-	16.0	-	10.5	-	-	-
90.0	160.0	-	-	-	-	52.9	-	15.3	-	5.2	-	-	-
90.0	170.0	-	-	-	-	16.0	-	35.8	-	-	-	-	-
90.0	180.0	-	-	-	-	27.7	-	5.0	-	16.2	-	-	-
90.0	190.0	-	-	-	-	64.4	-	39.6	-	-	-	-	-
90.0	200.0	-	-	-	-	36.0	-	5.0	-	-	-	-	-
93.0	26.7	0.0	0.0	4.5	0.0	-	0.0	0.0	0.0	-	-	-	-
93.0	26.9	16.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-	-	-
93.0	30.0	0.0	0.0	0.0	0.0	-	12.4	0.0	-	0.0	-	-	-
93.0	45.0	11.1	0.0	12.3	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	50.0	0.0	0.0	12.2	21.8	-	0.0	0.0	-	0.0	-	-	-
93.0	55.0	0.0	0.0	0.0	26.1	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	5.4	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	70.0	0.0	0.0	0.0	10.1	-	0.0	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	80.0	5.4	0.0	11.6	-	18.7	0.0	0.0	-	17.9	-	-	-
93.0	90.0	-	0.0	0.0	-	0.0	0.0	0.0	-	21.7	-	-	-
93.0	100.0	-	0.0	0.0	-	5.6	-	10.4	-	5.6	-	-	-
93.0	110.0	-	-	-	-	5.2	-	0.0	-	21.8	-	-	-
93.0	120.0	-	-	-	-	63.6	-	0.0	-	0.0	-	-	-
93.0	130.0	-	-	-	-	54.5	-	58.1	-	0.0	-	-	-
93.0	140.0	-	-	-	-	43.1	-	0.0	-	37.7	-	-	-
93.0	150.0	-	-	-	-	84.3	-	34.6	-	16.3	-	-	-
93.0	160.0	-	-	-	-	61.4	-	35.0	-	26.4	-	-	-
93.0	170.0	-	-	-	-	42.0	-	10.5	-	-	-	-	-
93.0	180.0	-	-	-	-	37.7	-	20.6	-	0.0	-	-	-
93.0	190.0	-	-	-	-	37.0	-	30.9	-	-	-	-	-
93.0	200.0	-	-	-	-	39.7	-	20.8	-	-	-	-	-
97.0	29.0	5.5	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	32.0	10.3	0.0	5.8	-	26.9	-	0.0	-	0.0	-	-	-
97.0	35.0	0.0	0.0	0.0	-	18.0	-	0.0	-	0.0	-	-	-
97.0	40.0	5.4	0.0	10.3	-	0.0	-	11.5	-	0.0	-	-	-
97.0	45.0	0.0	0.0	24.0	-	0.0	-	6.2	-	0.0	-	-	-
97.0	50.0	0.0	20.6	5.9	-	0.0	-	5.8	-	0.0	-	-	-
97.0	55.0	9.6	0.0	0.0	-	10.7	-	0.0	-	0.0	-	-	-
97.0	70.0	-	25.0	0.0	-	19.6	-	0.0	-	5.9	-	-	-
97.0	80.0	-	5.1	0.0	-	19.4	0.0	-	-	0.0	-	-	-
97.0	90.0	-	0.0	16.2	-	15.8	0.0	-	-	0.0	-	-	-
97.0	100.0	-	-	-	-	41.9	-	-	-	0.0	-	-	-
100.0	45.0	0.0	10.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	50.0	0.0	0.0	14.8	-	0.0	-	0.0	-	0.0	-	-	-
100.0	60.0	0.0	10.6	0.0	-	5.7	-	0.0	-	0.0	-	-	-
100.0	70.0	0.0	9.1	0.0	-	-	-	0.0	-	18.2	-	-	-
100.0	80.0	2.9	4.6	0.0	-	0.0	-	15.5	-	11.2	-	-	-
100.0	90.0	0.0	0.0	5.8	-	10.3	-	10.2	-	6.7	-	-	-
100.0	100.0	-	-	-	-	18.1	-	-	-	5.8	-	-	-
103.0	40.0	0.0	-	0.0	-	10.5	-	0.0	-	0.0	-	-	-
103.0	45.0	12.5	-	5.1	-	12.0	-	0.0	-	0.0	-	-	-
103.0	50.0	0.0	0.0	5.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	60.0	0.0	0.0	0.0	-	-	-	10.4	-	0.0	-	-	-
103.0	70.0	0.0	4.3	10.2	-	-	-	2.7	-	0.0	-	-	-
103.0	80.0	2.8	0.0	5.1	-	-	-	0.0	-	0.0	-	-	-
103.0	90.0	-	-	-	-	-	-	5.5	-	0.0	-	-	-
107.0	32.0	0.0	12.6	0.0	-	8.8	-	0.0	0.0	0.0	-	-	-
107.0	35.0	0.0	0.0	0.0	-	0.0	-	0.0	11.0	0.0	-	-	-
107.0	40.0	0.0	0.0	16.2	-	0.0	-	0.0	-	0.0	-	-	-
107.0	45.0	5.2	0.0	0.0	-	34.5	-	-	-	12.7	-	-	-
107.0	60.0	0.0	0.0	0.0	-	-	-	0.0	-	18.2	-	-	-
107.0	70.0	-	6.2	0.0	-	-	-	8.1	-	0.0	-	-	-
107.0	80.0	-	10.7	5.4	-	-	-	8.9	-	5.8	-	-	-
110.0	40.0	0.0	17.1	5.1	-	21.7	-	0.0	0.0	0.0	-	-	-

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	45.0	5.3	9.0	5.1	-	22.2	-	0.0	-	0.0	-	-	-
110.0	50.0	0.0	0.0	0.0	-	0.0	-	16.2	0.0	0.0	-	-	-
110.0	60.0	5.3	0.0	5.2	-	-	-	0.0	-	0.0	-	-	-
110.0	70.0	-	0.0	5.5	-	-	-	0.0	-	0.0	-	-	-
110.0	80.0	-	0.0	5.2	-	-	-	0.0	-	0.0	-	-	-
113.0	35.0	0.0	8.5	0.0	-	22.8	-	-	-	0.0	-	-	-
113.0	45.0	0.0	0.0	10.6	-	0.0	-	-	0.0	0.0	-	-	-
113.0	60.0	5.3	4.4	5.3	-	-	-	0.0	5.2	0.0	-	-	-
113.0	70.0	-	0.0	5.4	-	-	-	5.3	-	0.0	-	-	-
113.0	80.0	-	0.0	5.4	-	-	-	5.1	-	0.0	-	-	-
117.0	45.0	-	0.0	5.7	-	-	-	-	6.1	0.0	-	-	-
117.0	70.0	-	23.4	0.0	-	-	-	-	5.9	5.9	-	-	-
117.0	80.0	-	4.4	23.1	-	-	-	-	5.7	0.0	-	-	-
120.0	45.0	-	5.3	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	50.0	-	15.6	-	4.9	-	-	-	0.0	0.0	-	-	-
120.0	60.0	-	5.2	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	70.0	-	0.0	-	0.0	-	-	-	0.0	6.4	-	-	-
120.0	80.0	-	15.6	-	14.2	-	-	-	17.2	11.2	-	-	-
123.0	45.0	-	0.0	-	0.0	-	-	-	-	6.0	-	-	-
123.0	60.0	-	10.4	-	5.1	-	-	-	0.0	0.0	-	-	-
127.0	50.0	-	4.6	-	9.9	-	-	-	0.0	0.0	-	-	-
130.0	40.0	-	0.0	-	5.4	-	-	-	-	0.0	-	-	-
130.0	50.0	-	5.1	-	16.5	-	-	-	11.6	0.0	-	-	-
130.0	60.0	-	18.3	-	10.2	-	-	-	0.0	0.0	-	-	-
133.0	30.0	-	0.0	-	34.4	-	-	-	0.0	0.0	-	-	-
133.0	35.0	-	5.3	-	4.7	-	-	-	17.8	5.7	-	-	-
133.0	40.0	-	11.9	-	9.7	-	-	-	0.0	0.0	-	-	-
133.0	50.0	-	5.4	-	39.5	-	-	-	0.0	0.0	-	-	-
133.0	60.0	-	5.3	-	0.0	-	-	-	0.0	5.9	-	-	-
137.0	35.0	-	0.0	-	5.3	-	-	-	11.0	0.0	-	-	-
137.0	40.0	-	9.9	-	15.7	-	-	-	5.7	6.0	-	-	-
137.0	50.0	-	16.4	-	5.1	-	-	-	0.0	0.0	-	-	-
137.0	60.0	-	11.1	-	0.0	-	-	-	5.9	-	-	-	-

Lampanyctus regalis

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	70.0	-	0.0	-	0.0	-	0.0	-	22.6	0.0	-	-	-
63.0	65.0	-	0.0	-	0.0	-	-	-	37.6	0.0	-	-	-
63.0	70.0	-	0.0	-	0.0	-	0.0	-	22.6	0.0	-	-	-
63.0	80.0	-	0.0	-	-	-	0.0	-	10.3	-	-	-	-
63.0	90.0	-	-	-	-	-	0.0	-	5.4	0.0	-	-	-
67.0	65.0	-	0.0	-	0.0	-	-	-	55.6	0.0	-	-	-
67.0	70.0	-	0.0	-	0.0	-	10.6	-	11.5	11.0	-	-	-
67.0	80.0	-	0.0	-	8.3	-	0.0	-	0.0	-	-	-	-

TABLE 4. (cont.)

Lampanyctus regalis (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
67.0	90.0	-	0.0	-	0.0	-	0.0	-	0.0	5.5	-	-	-
70.0	53.0	-	0.0	-	0.0	0.0	0.0	-	20.1	0.0	-	-	-
70.0	60.0	-	0.0	-	0.0	0.0	0.0	-	21.4	0.0	-	-	-
70.0	65.0	-	0.0	-	0.0	0.0	-	-	0.0	12.0	-	-	-
70.0	80.0	-	0.0	-	0.0	-	0.0	-	11.3	0.0	-	-	-
70.0	90.0	-	0.0	-	5.6	-	0.0	-	0.0	0.0	-	-	-
73.0	80.0	-	0.0	-	0.0	-	6.1	-	5.1	0.0	-	-	-
77.0	55.0	-	0.0	-	0.0	10.5	0.0	-	0.0	0.0	-	-	-
77.0	60.0	-	0.0	-	0.0	0.0	0.0	-	29.4	0.0	-	-	-
77.0	70.0	-	0.0	-	0.0	0.0	11.9	-	5.3	0.0	-	-	-
77.0	80.0	-	0.0	-	0.0	-	11.9	-	0.0	0.0	-	-	-
77.0	90.0	-	0.0	-	0.0	-	0.0	-	5.5	0.0	-	-	-
80.0	60.0	-	0.0	-	0.0	0.0	0.0	-	10.1	0.0	-	-	-
80.0	80.0	-	0.0	-	0.0	-	0.0	-	0.0	11.7	-	-	-
80.0	90.0	-	0.0	-	0.0	-	0.0	-	10.2	0.0	-	-	-
83.0	60.0	0.0	0.0	-	9.8	0.0	8.6	-	0.0	0.0	-	-	-
83.0	70.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	10.5	-	-	-
83.0	80.0	0.0	0.0	-	0.0	-	0.0	-	0.0	5.9	-	-	-
83.0	90.0	-	0.0	-	0.0	-	0.0	-	4.6	0.0	-	-	-
87.0	60.0	0.0	0.0	0.0	-	0.0	10.6	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	0.0	-	0.0	10.3	-	0.0	0.0	-	-	-
87.0	80.0	0.0	0.0	0.0	-	-	24.9	-	0.0	0.0	-	-	-
90.0	60.0	0.0	0.0	0.0	-	0.0	5.4	0.0	-	0.0	-	-	-
90.0	70.0	0.0	0.0	0.0	-	4.6	10.4	7.8	-	0.0	-	-	-
90.0	80.0	0.0	0.0	5.8	-	0.0	0.0	5.3	-	5.4	-	-	-
90.0	90.0	-	0.0	5.9	-	0.0	0.0	0.0	-	0.0	-	-	-
93.0	28.0	0.0	0.0	0.0	0.0	-	0.0	10.6	-	0.0	-	-	-
93.0	30.0	0.0	0.0	0.0	0.0	-	0.0	11.6	-	0.0	-	-	-
93.0	40.0	0.0	0.0	0.0	0.0	-	0.0	11.1	-	0.0	-	-	-
93.0	50.0	0.0	0.0	12.2	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	5.4	0.0	-	0.0	0.0	-	0.0	-	-	-
97.0	35.0	0.0	0.0	0.0	-	0.0	-	4.6	-	0.0	-	-	-
97.0	50.0	0.0	0.0	0.0	-	0.0	-	5.8	-	0.0	-	-	-
97.0	55.0	0.0	0.0	21.9	-	0.0	-	0.0	-	0.0	-	-	-
100.0	35.0	0.0	0.0	0.0	-	10.6	-	0.0	-	0.0	-	-	-
100.0	40.0	0.0	0.0	0.0	-	24.1	-	0.0	-	0.0	-	-	-
100.0	50.0	0.0	0.0	0.0	-	0.0	-	0.0	-	11.3	-	-	-
100.0	60.0	0.0	0.0	0.0	-	0.0	-	11.0	-	0.0	-	-	-
103.0	50.0	0.0	0.0	0.0	-	10.5	-	4.9	-	0.0	-	-	-
107.0	35.0	0.0	9.3	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	40.0	0.0	0.0	5.4	-	0.0	-	10.5	-	0.0	-	-	-
120.0	70.0	-	0.0	-	4.9	-	-	-	5.6	0.0	-	-	-
127.0	45.0	-	0.0	-	0.0	-	-	-	0.0	5.3	-	-	-

TABLE 4. (cont.)

Lampanyctus ritteri

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	70.0	-	0.0	-	0.0	-	0.0	-	0.0	11.6	-	-	-
63.0	52.0	-	0.0	-	15.6	0.0	0.0	-	0.0	0.0	-	-	-
63.0	60.0	-	10.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	80.0	-	0.0	-	-	-	18.6	-	30.8	-	-	-	-
63.0	90.0	-	-	-	-	-	0.0	-	5.4	0.0	-	-	-
67.0	50.0	-	0.0	-	0.0	0.0	0.0	-	0.0	11.2	-	-	-
67.0	55.0	-	0.0	-	0.0	0.0	0.0	-	0.0	10.3	-	-	-
67.0	60.0	-	0.0	-	0.0	0.0	0.0	-	11.6	0.0	-	-	-
67.0	65.0	-	0.0	-	0.0	-	-	-	11.1	0.0	-	-	-
67.0	70.0	-	0.0	-	10.0	-	0.0	-	80.3	0.0	-	-	-
67.0	90.0	-	5.6	-	10.4	-	0.0	-	0.0	49.9	-	-	-
70.0	60.0	-	0.0	-	0.0	0.0	0.0	-	0.0	10.5	-	-	-
70.0	70.0	-	0.0	-	0.0	0.0	62.4	-	0.0	0.0	-	-	-
70.0	80.0	-	0.0	-	0.0	-	53.9	-	0.0	76.9	-	-	-
73.0	53.0	-	0.0	-	0.0	0.0	0.0	-	12.4	0.0	-	-	-
73.0	60.0	-	0.0	-	0.0	23.2	0.0	-	22.2	0.0	-	-	-
73.0	65.0	-	0.0	-	0.0	10.7	-	-	0.0	0.0	-	-	-
73.0	70.0	-	0.0	-	0.0	62.4	46.4	-	9.9	0.0	-	-	-
73.0	80.0	-	0.0	-	10.7	-	0.0	-	0.0	0.0	-	-	-
73.0	90.0	-	0.0	-	19.9	-	0.0	-	0.0	0.0	-	-	-
77.0	65.0	-	0.0	-	22.0	0.0	-	-	0.0	0.0	-	-	-
77.0	70.0	-	0.0	-	0.0	0.0	0.0	-	0.0	10.9	-	-	-
77.0	80.0	-	5.5	-	0.0	-	23.7	-	0.0	0.0	-	-	-
77.0	90.0	-	0.0	-	11.0	-	66.3	-	0.0	0.0	-	-	-
80.0	55.0	-	10.7	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	90.0	-	0.0	-	0.0	-	24.5	-	0.0	0.0	-	-	-
83.0	60.0	0.0	0.0	-	0.0	19.0	0.0	-	0.0	0.0	-	-	-
83.0	70.0	0.0	0.0	-	10.0	20.7	0.0	-	0.0	0.0	-	-	-
83.0	80.0	0.0	0.0	-	15.0	-	10.2	-	0.0	0.0	-	-	-
83.0	90.0	-	0.0	-	9.9	-	9.8	-	23.0	5.8	-	-	-
87.0	36.0	0.0	0.0	-	0.0	12.3	-	-	0.0	0.0	-	-	-
87.0	40.0	0.0	0.0	-	0.0	31.8	0.0	-	0.0	0.0	-	-	-
87.0	60.0	0.0	0.0	24.2	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	0.0	-	16.2	0.0	-	0.0	0.0	-	-	-
87.0	90.0	-	0.0	0.0	-	-	0.0	-	4.4	0.0	-	-	-
90.0	45.0	0.0	0.0	22.3	-	0.0	0.0	0.0	-	-	-	-	-
90.0	53.0	0.0	0.0	6.0	-	5.3	0.0	0.0	-	0.0	-	-	-
90.0	60.0	0.0	0.0	12.3	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	70.0	0.0	0.0	5.9	-	0.0	0.0	0.0	-	5.7	-	-	-
90.0	80.0	0.0	15.3	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	90.0	-	0.0	5.9	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	100.0	-	0.0	5.5	-	30.1	-	5.4	-	0.0	-	-	-
90.0	110.0	-	-	-	-	0.0	-	10.9	-	0.0	-	-	-
90.0	130.0	-	-	-	-	10.0	-	0.0	-	10.8	-	-	-
90.0	140.0	-	-	-	-	5.2	-	0.0	-	5.3	-	-	-
93.0	35.0	0.0	0.0	0.0	0.0	-	0.0	10.1	-	0.0	-	-	-

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	40.0	0.0	15.9	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	50.0	0.0	0.0	30.6	10.9	-	0.0	0.0	-	0.0	-	-	-
93.0	55.0	5.2	0.0	0.0	20.8	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	10.5	0.0	0.0	-	5.3	5.3	-	0.0	-	-	-
93.0	70.0	10.8	3.9	16.4	5.0	-	24.4	5.6	-	0.0	-	-	-
93.0	80.0	0.0	0.0	17.4	-	9.3	0.0	0.0	-	0.0	-	-	-
93.0	90.0	-	0.0	0.0	-	5.6	0.0	0.0	-	0.0	-	-	-
93.0	100.0	-	0.0	16.4	-	0.0	-	0.0	-	0.0	-	-	-
97.0	30.0	6.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	32.0	0.0	9.4	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	35.0	0.0	4.9	0.0	-	0.0	-	5.2	-	0.0	-	-	-
97.0	45.0	0.0	41.5	18.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	50.0	0.0	0.0	5.9	-	0.0	-	0.0	-	0.0	-	-	-
97.0	55.0	0.0	33.7	0.0	-	10.7	-	0.0	-	0.0	-	-	-
97.0	60.0	0.0	5.7	0.0	-	0.0	-	4.5	-	0.0	-	-	-
97.0	70.0	-	0.0	0.0	-	0.0	-	2.5	-	0.0	-	-	-
97.0	80.0	-	0.0	11.6	-	53.2	0.0	-	-	0.0	-	-	-
97.0	90.0	-	0.0	0.0	-	5.3	0.0	-	-	0.0	-	-	-
100.0	35.0	0.0	0.0	10.1	-	0.0	-	0.0	-	0.0	-	-	-
100.0	40.0	0.0	0.0	5.4	-	24.1	-	0.0	-	0.0	-	-	-
100.0	45.0	0.0	5.0	0.0	-	10.4	-	0.0	-	0.0	-	-	-
100.0	50.0	0.0	5.4	14.8	-	0.0	-	9.7	-	0.0	-	-	-
100.0	70.0	0.0	0.0	10.5	-	-	-	0.0	-	0.0	-	-	-
100.0	80.0	0.0	0.0	0.0	-	0.0	-	5.2	-	11.2	-	-	-
100.0	90.0	0.0	0.0	11.6	-	0.0	-	0.0	-	6.7	-	-	-
103.0	40.0	19.1	-	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	45.0	0.0	-	10.2	-	0.0	-	5.7	-	0.0	-	-	-
103.0	50.0	0.0	0.0	5.0	-	0.0	-	4.9	-	0.0	-	-	-
103.0	60.0	11.7	0.0	0.0	-	-	-	10.4	-	0.0	-	-	-
103.0	70.0	0.0	0.0	0.0	-	-	-	2.8	-	0.0	-	-	-
103.0	80.0	0.0	4.7	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	32.0	0.0	4.2	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	35.0	5.4	18.6	5.5	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	40.0	0.0	0.0	5.4	-	8.2	-	10.5	-	0.0	-	-	-
107.0	45.0	0.0	4.8	0.0	-	0.0	-	-	-	0.0	-	-	-
107.0	50.0	11.5	23.4	0.0	-	22.4	-	0.0	-	0.0	-	-	-
107.0	70.0	-	6.2	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0	35.0	0.0	11.5	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	45.0	0.0	0.0	5.1	-	0.0	-	0.0	-	0.0	-	-	-
110.0	50.0	10.8	0.0	5.3	-	0.0	-	16.2	0.0	0.0	-	-	-
110.0	60.0	0.0	108.3	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0	70.0	-	5.3	0.0	-	-	-	10.6	-	0.0	-	-	-
110.0	80.0	-	15.0	0.0	-	-	-	0.0	-	0.0	-	-	-
113.0	40.0	0.0	0.0	5.3	-	0.0	-	-	0.0	0.0	-	-	-
113.0	45.0	0.0	0.0	5.3	-	0.0	-	-	0.0	0.0	-	-	-
113.0	50.0	0.0	5.3	5.3	-	0.0	-	0.0	0.0	0.0	-	-	-

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0 80.0	-	7.8	0.0	-	-	-	0.0	-	0.0	-	-	-
117.0 60.0	-	4.5	6.0	-	-	-	-	0.0	0.0	-	-	-
117.0 70.0	-	0.0	0.0	-	-	-	-	0.0	17.7	-	-	-
120.0 60.0	-	5.2	-	0.0	-	-	-	0.0	5.9	-	-	-
123.0 42.0	-	0.0	-	-	-	-	-	-	5.6	-	-	-
127.0 45.0	-	0.0	-	4.7	-	-	-	0.0	0.0	-	-	-

Notolychnus valdiviae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 140.0	-	-	-	-	20.9	-	5.4	-	0.0	-	-	-
90.0 150.0	-	-	-	-	20.9	-	0.0	-	10.5	-	-	-
90.0 160.0	-	-	-	-	5.3	-	0.0	-	0.0	-	-	-
90.0 180.0	-	-	-	-	0.0	-	5.0	-	54.1	-	-	-
90.0 190.0	-	-	-	-	0.0	-	17.0	-	-	-	-	-
90.0 200.0	-	-	-	-	5.2	-	14.9	-	-	-	-	-
93.0 100.0	-	0.0	0.0	-	0.0	-	0.0	-	5.6	-	-	-
93.0 110.0	-	-	-	-	15.5	-	0.0	-	10.9	-	-	-
93.0 120.0	-	-	-	-	10.6	-	0.0	-	0.0	-	-	-
93.0 130.0	-	-	-	-	5.4	-	0.0	-	0.0	-	-	-
93.0 140.0	-	-	-	-	0.0	-	0.0	-	26.9	-	-	-
93.0 150.0	-	-	-	-	0.0	-	0.0	-	10.9	-	-	-
93.0 160.0	-	-	-	-	30.7	-	10.0	-	31.6	-	-	-
93.0 170.0	-	-	-	-	0.0	-	15.7	-	-	-	-	-
93.0 180.0	-	-	-	-	5.4	-	72.2	-	0.0	-	-	-
93.0 190.0	-	-	-	-	52.8	-	5.2	-	-	-	-	-
93.0 200.0	-	-	-	-	49.6	-	5.2	-	-	-	-	-
97.0 100.0	-	-	-	-	0.0	-	-	-	5.8	-	-	-
107.0 60.0	0.0	0.0	0.0	-	-	-	7.7	-	0.0	-	-	-
107.0 70.0	-	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-
133.0 60.0	-	0.0	-	0.0	-	-	-	0.0	5.9	-	-	-

Notoscopelus resplendens

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
67.0 90.0	-	0.0	-	0.0	-	0.0	-	0.0	5.5	-	-	-
70.0 90.0	-	0.0	-	0.0	-	0.0	-	0.0	5.3	-	-	-
90.0 120.0	-	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0 130.0	-	-	-	-	0.0	-	0.0	-	16.3	-	-	-
90.0 140.0	-	-	-	-	10.4	-	32.3	-	0.0	-	-	-
90.0 150.0	-	-	-	-	0.0	-	10.7	-	0.0	-	-	-
90.0 160.0	-	-	-	-	0.0	-	35.7	-	5.2	-	-	-
90.0 170.0	-	-	-	-	10.7	-	5.1	-	-	-	-	-
90.0 180.0	-	-	-	-	22.2	-	0.0	-	21.6	-	-	-

TABLE 4. (cont.)

Notoscopelus resplendens (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 190.0	–	–	–	–	0.0	–	11.3	–	–	–	–	–
90.0 200.0	–	–	–	–	5.2	–	0.0	–	–	–	–	–
93.0 70.0	0.0	0.0	0.0	0.0	–	9.8	0.0	–	0.0	–	–	–
93.0 100.0	–	0.0	0.0	–	0.0	–	10.4	–	5.6	–	–	–
93.0 110.0	–	–	–	–	10.3	–	0.0	–	10.9	–	–	–
93.0 120.0	–	–	–	–	10.6	–	5.2	–	5.3	–	–	–
93.0 130.0	–	–	–	–	16.4	–	0.0	–	5.5	–	–	–
93.0 140.0	–	–	–	–	16.2	–	18.7	–	16.1	–	–	–
93.0 150.0	–	–	–	–	21.1	–	0.0	–	5.4	–	–	–
93.0 160.0	–	–	–	–	15.4	–	5.0	–	5.3	–	–	–
93.0 170.0	–	–	–	–	10.5	–	0.0	–	–	–	–	–
93.0 180.0	–	–	–	–	5.4	–	10.3	–	5.6	–	–	–
93.0 190.0	–	–	–	–	21.1	–	10.3	–	–	–	–	–
93.0 200.0	–	–	–	–	9.9	–	0.0	–	–	–	–	–
97.0 100.0	–	–	–	–	0.0	–	–	–	17.4	–	–	–
103.0 70.0	0.0	0.0	0.0	–	–	–	2.7	–	0.0	–	–	–
107.0 60.0	0.0	0.0	0.0	–	–	–	0.0	–	6.1	–	–	–
107.0 70.0	–	0.0	5.4	–	–	–	0.0	–	0.0	–	–	–
107.0 80.0	–	5.3	0.0	–	–	–	0.0	–	0.0	–	–	–
110.0 70.0	–	0.0	0.0	–	–	–	5.3	–	5.9	–	–	–
110.0 80.0	–	0.0	5.2	–	–	–	0.0	–	0.0	–	–	–
113.0 60.0	0.0	0.0	0.0	–	–	–	0.0	0.0	6.3	–	–	–
113.0 70.0	–	0.0	5.4	–	–	–	0.0	–	0.0	–	–	–
120.0 70.0	–	0.0	–	0.0	–	–	–	16.9	12.9	–	–	–
123.0 50.0	–	0.0	–	0.0	–	–	–	0.0	6.2	–	–	–
127.0 50.0	–	0.0	–	0.0	–	–	–	0.0	5.6	–	–	–
127.0 60.0	–	0.0	–	–	–	–	–	29.3	0.0	–	–	–
130.0 40.0	–	0.0	–	0.0	–	–	–	–	12.8	–	–	–
130.0 60.0	–	0.0	–	0.0	–	–	–	0.0	5.8	–	–	–
133.0 60.0	–	0.0	–	5.2	–	–	–	0.0	0.0	–	–	–

Parvilux ingens

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0 160.0	–	–	–	–	0.0	–	5.0	–	0.0	–	–	–
93.0 180.0	–	–	–	–	0.0	–	5.2	–	0.0	–	–	–

Stenobrachius leucopsarus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0 52.0	–	5.0	–	–	–	–	–	–	–	–	–	–
60.0 52.5	–	–	–	0.0	0.0	12.1	–	20.3	0.0	–	–	–
60.0 55.0	–	73.5	–	121.2	34.2	54.7	–	0.0	0.0	–	–	–
60.0 60.0	–	21.4	–	33.1	0.0	39.5	–	108.0	0.0	–	–	–

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	65.0	-	150.3	-	-	-	-	-	10.9	0.0	-	-	-
60.0	70.0	-	48.6	-	7.7	-	10.5	-	0.0	11.6	-	-	-
60.0	80.0	-	85.9	-	-	-	95.9	-	0.0	21.9	-	-	-
60.0	90.0	-	-	-	-	-	10.7	-	0.0	0.0	-	-	-
63.0	50.0	-	0.0	-	7.2	18.0	-	-	0.0	0.0	-	-	-
63.0	52.0	-	0.0	-	54.7	104.1	0.0	-	0.0	0.0	-	-	-
63.0	55.0	-	221.4	-	219.1	156.0	86.0	-	0.0	0.0	-	-	-
63.0	60.0	-	124.7	-	41.0	0.0	27.1	-	0.0	0.0	-	-	-
63.0	65.0	-	53.4	-	9.5	-	-	-	0.0	0.0	-	-	-
63.0	70.0	-	97.6	-	57.4	-	63.3	-	0.0	0.0	-	-	-
63.0	80.0	-	10.0	-	-	-	27.9	-	10.3	-	-	-	-
63.0	90.0	-	-	-	-	-	49.7	-	0.0	0.0	-	-	-
66.0	49.0	-	9.4	-	9.6	0.0	-	-	0.0	0.0	-	-	-
67.0	50.0	-	9.5	-	77.1	43.6	0.0	-	0.0	0.0	-	-	-
67.0	55.0	-	69.2	-	78.8	54.8	56.5	-	0.0	0.0	-	-	-
67.0	60.0	-	21.2	-	44.0	33.1	117.6	-	0.0	0.0	-	-	-
67.0	65.0	-	33.8	-	168.3	-	-	-	0.0	0.0	-	-	-
67.0	70.0	-	37.6	-	69.9	-	84.7	-	0.0	0.0	-	-	-
67.0	80.0	-	0.0	-	8.3	-	0.0	-	0.0	-	-	-	-
67.0	90.0	-	16.7	-	25.9	-	0.0	-	0.0	0.0	-	-	-
70.0	51.0	-	0.0	-	54.2	9.9	0.0	-	0.0	0.0	-	-	-
70.0	53.0	-	101.2	-	0.0	59.9	49.0	-	10.0	0.0	-	-	-
70.0	60.0	-	41.7	-	37.0	11.5	0.0	-	0.0	0.0	-	-	-
70.0	65.0	-	34.9	-	0.0	20.7	-	-	0.0	0.0	-	-	-
70.0	70.0	-	35.7	-	42.1	10.9	0.0	-	0.0	0.0	-	-	-
70.0	80.0	-	24.4	-	0.0	-	16.2	-	0.0	0.0	-	-	-
70.0	90.0	-	10.4	-	22.2	-	17.3	-	0.0	0.0	-	-	-
73.0	50.0	-	31.5	-	19.7	246.0	320.0	-	0.0	10.0	-	-	-
73.0	53.0	-	201.4	-	161.3	234.4	72.1	-	0.0	0.0	-	-	-
73.0	60.0	-	53.8	-	129.8	104.6	18.4	-	0.0	0.0	-	-	-
73.0	65.0	-	16.5	-	91.6	21.4	-	-	0.0	0.0	-	-	-
73.0	70.0	-	94.2	-	24.3	20.8	58.1	-	0.0	0.0	-	-	-
73.0	80.0	-	24.3	-	21.3	-	6.1	-	0.0	0.0	-	-	-
73.0	90.0	-	22.8	-	164.3	-	0.0	-	0.0	0.0	-	-	-
77.0	48.0	-	0.0	-	4.5	4.5	-	-	0.0	-	-	-	-
77.0	51.0	-	134.3	-	32.8	62.4	374.2	-	0.0	0.0	-	-	-
77.0	55.0	-	196.0	-	81.5	178.1	75.0	-	0.0	0.0	-	-	-
77.0	60.0	-	11.2	-	299.0	127.8	0.0	-	0.0	0.0	-	-	-
77.0	65.0	-	0.0	-	109.8	153.7	-	-	0.0	0.0	-	-	-
77.0	70.0	-	73.3	-	78.0	50.1	59.3	-	0.0	0.0	-	-	-
77.0	80.0	-	0.0	-	55.6	-	17.8	-	0.0	10.5	-	-	-
77.0	90.0	-	10.8	-	71.4	-	12.1	-	0.0	0.0	-	-	-
80.0	51.0	-	5.8	-	19.8	0.0	10.4	-	0.0	0.0	-	-	-
80.0	52.0	-	147.8	-	25.9	57.0	-	-	0.0	0.0	-	-	-
80.0	55.0	-	32.2	-	53.5	109.8	13.2	-	0.0	0.0	-	-	-
80.0	60.0	-	0.0	-	60.0	205.8	117.1	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	70.0	-	0.0	-	80.1	75.4	49.9	-	0.0	0.0	-	-	-
80.0	80.0	-	0.0	-	10.5	-	31.1	-	0.0	0.0	-	-	-
80.0	90.0	-	11.0	-	0.0	-	0.0	-	0.0	0.0	-	-	-
82.0	47.0	-	96.3	-	203.1	11.6	-	-	0.0	0.0	-	-	-
83.0	40.6	-	15.2	-	-	21.3	0.0	-	0.0	0.0	-	-	-
83.0	42.0	-	114.2	-	26.5	25.3	9.3	-	0.0	0.0	-	-	-
83.0	51.0	56.8	103.0	-	51.1	46.2	-	-	0.0	0.0	-	-	-
83.0	55.0	0.0	123.1	-	32.3	103.0	-	-	0.0	0.0	-	-	-
83.0	60.0	0.0	0.0	-	0.0	38.1	77.3	-	0.0	0.0	-	-	-
83.0	70.0	5.4	21.1	-	19.9	41.3	20.6	-	0.0	0.0	-	-	-
83.0	80.0	5.4	5.1	-	15.0	-	15.3	-	0.0	11.8	-	-	-
83.0	90.0	-	0.0	-	29.6	-	9.8	-	0.0	5.8	-	-	-
87.0	32.7	0.0	20.4	-	4.8	4.3	0.0	-	0.0	0.0	-	-	-
87.0	33.0	0.0	4.4	-	0.0	39.7	0.0	-	0.0	0.0	-	-	-
87.0	34.0	9.6	49.8	-	39.8	191.5	-	-	0.0	0.0	-	-	-
87.0	35.0	76.9	43.2	-	44.6	213.3	19.9	-	12.1	0.0	-	-	-
87.0	36.0	16.4	16.9	-	27.8	209.7	-	-	0.0	0.0	-	-	-
87.0	40.0	33.8	51.9	-	139.7	53.1	0.0	-	0.0	0.0	-	-	-
87.0	45.0	78.7	32.7	-	380.2	39.6	41.7	-	0.0	0.0	-	-	-
87.0	50.0	0.0	0.0	0.0	-	122.6	63.8	-	0.0	0.0	-	-	-
87.0	55.0	0.0	0.0	0.0	-	11.9	61.8	-	0.0	0.0	-	-	-
87.0	60.0	0.0	0.0	12.1	-	5.7	21.2	-	0.0	21.5	-	-	-
87.0	70.0	0.0	21.0	0.0	-	0.0	25.7	-	0.0	10.8	-	-	-
87.0	80.0	0.0	0.0	0.0	-	-	14.9	-	0.0	0.0	-	-	-
87.0	90.0	-	66.7	0.0	-	-	0.0	-	0.0	0.0	-	-	-
90.0	27.6	0.0	0.0	0.0	-	4.9	0.0	-	0.0	0.0	-	-	-
90.0	28.0	0.0	5.7	11.0	-	104.3	0.0	-	0.0	0.0	-	-	-
90.0	29.0	0.0	16.5	41.7	-	38.6	112.0	-	0.0	0.0	-	-	-
90.0	30.0	0.0	104.8	32.8	-	75.3	10.7	-	0.0	0.0	-	-	-
90.0	31.0	19.5	23.2	24.9	-	165.2	133.4	-	0.0	0.0	-	-	-
90.0	33.0	0.0	66.2	74.2	-	34.3	34.9	-	0.0	0.0	-	-	-
90.0	37.0	29.7	62.8	59.1	-	0.0	54.9	-	0.0	0.0	-	-	-
90.0	45.0	11.2	20.2	67.0	-	118.4	11.6	0.0	-	-	-	-	-
90.0	53.0	0.0	0.0	18.0	-	0.0	61.4	0.0	-	0.0	-	-	-
90.0	70.0	0.0	10.6	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	80.0	0.0	0.0	0.0	-	10.4	0.0	0.0	-	5.4	-	-	-
90.0	90.0	-	0.0	11.8	-	10.4	0.0	0.0	-	0.0	-	-	-
90.0	100.0	-	0.0	0.0	-	5.0	-	0.0	-	0.0	-	-	-
93.0	26.9	0.0	0.0	5.4	31.0	-	0.0	-	0.0	-	-	-	-
93.0	28.0	0.0	0.0	53.1	33.1	-	0.0	0.0	-	0.0	-	-	-
93.0	29.0	0.0	5.4	12.0	33.4	-	-	0.0	-	12.0	-	-	-
93.0	30.0	0.0	0.0	25.3	54.1	-	37.1	0.0	-	0.0	-	-	-
93.0	35.0	0.0	0.0	20.4	44.2	-	0.0	0.0	-	0.0	-	-	-
93.0	40.0	0.0	0.0	84.6	12.0	-	115.1	0.0	-	0.0	-	-	-
93.0	45.0	0.0	0.0	24.6	12.3	-	47.0	0.0	-	0.0	-	-	-
93.0	50.0	0.0	0.0	6.1	0.0	-	86.1	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	60.0	0.0	0.0	5.4	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0	70.0	0.0	0.0	10.9	10.1	–	0.0	0.0	–	0.0	–	–	–
93.0	90.0	–	0.0	6.3	–	0.0	0.0	0.0	–	0.0	–	–	–
93.5	29.0	–	–	–	–	–	–	14.3	0.0	–	–	–	–
97.0	30.0	0.0	0.0	0.0	–	0.0	–	4.7	–	0.0	–	–	–
97.0	32.0	0.0	0.0	0.0	–	98.6	–	0.0	–	0.0	–	–	–
97.0	35.0	0.0	0.0	22.7	–	35.9	–	4.6	–	0.0	–	–	–
97.0	40.0	0.0	22.0	10.3	–	39.1	–	10.6	–	0.0	–	–	–
97.0	45.0	0.0	31.1	6.0	–	9.2	–	0.0	–	0.0	–	–	–
97.0	55.0	0.0	0.0	0.0	–	5.3	–	0.0	–	0.0	–	–	–
97.0	70.0	–	0.0	0.0	–	14.7	–	0.0	–	0.0	–	–	–
97.0	90.0	–	0.0	5.4	–	0.0	0.0	–	–	0.0	–	–	–
100.0	35.0	0.0	0.0	0.0	–	52.9	–	5.0	–	0.0	–	–	–
100.0	40.0	0.0	0.0	0.0	–	48.2	–	0.0	–	0.0	–	–	–
100.0	45.0	0.0	0.0	0.0	–	10.4	–	0.0	–	0.0	–	–	–
103.0	30.0	0.0	0.0	0.0	–	0.0	–	5.1	–	0.0	–	–	–
103.0	45.0	0.0	–	0.0	–	0.0	–	10.8	–	0.0	–	–	–
107.0	35.0	0.0	0.0	0.0	–	0.0	–	0.0	0.0	31.1	–	–	–
107.0	45.0	0.0	0.0	0.0	–	11.5	–	–	–	0.0	–	–	–
110.0	32.4	0.0	0.0	0.0	–	19.8	–	0.0	0.0	0.0	–	–	–

Taaningichthys minimus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	190.0	–	–	–	–	5.3	–	0.0	–	–	–	–	–

Triphoturus mexicanus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0	70.0	–	0.0	–	0.0	0.0	0.0	–	0.0	5.6	–	–	–
77.0	65.0	–	0.0	–	0.0	0.0	–	–	5.5	0.0	–	–	–
77.0	90.0	–	0.0	–	0.0	–	0.0	–	0.0	10.8	–	–	–
83.0	51.0	0.0	0.0	–	0.0	0.0	–	–	0.0	10.3	–	–	–
87.0	32.7	0.0	0.0	–	0.0	0.0	0.0	–	0.0	4.7	–	–	–
87.0	33.0	0.0	0.0	–	0.0	5.0	0.0	–	0.0	9.5	–	–	–
87.0	34.0	0.0	0.0	–	0.0	0.0	–	–	0.0	10.2	–	–	–
87.0	35.0	0.0	0.0	–	0.0	0.0	19.9	–	0.0	0.0	–	–	–
87.0	40.0	0.0	0.0	–	0.0	0.0	12.2	–	0.0	0.0	–	–	–
87.0	50.0	0.0	0.0	0.0	–	0.0	0.0	–	0.0	9.9	–	–	–
87.0	60.0	0.0	0.0	0.0	–	0.0	0.0	–	0.0	10.8	–	–	–
87.0	70.0	0.0	0.0	0.0	–	0.0	25.7	–	0.0	10.8	–	–	–
87.0	90.0	–	0.0	0.0	–	–	0.0	–	4.4	16.4	–	–	–
90.0	28.0	0.0	0.0	0.0	–	0.0	9.0	–	0.0	0.0	–	–	–
90.0	30.0	0.0	0.0	0.0	–	0.0	0.0	–	0.0	35.8	–	–	–

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	31.0	0.0	0.0	0.0	–	0.0	0.0	–	0.0	32.9	–	–	–
90.0	33.0	0.0	0.0	0.0	–	11.4	0.0	–	30.1	0.0	–	–	–
90.0	45.0	0.0	0.0	11.2	–	0.0	0.0	0.0	–	–	–	–	–
90.0	60.0	0.0	0.0	0.0	–	4.8	0.0	0.0	–	0.0	–	–	–
90.0	70.0	0.0	0.0	0.0	–	0.0	15.6	7.8	–	0.0	–	–	–
90.0	80.0	0.0	0.0	0.0	–	0.0	16.0	47.5	–	0.0	–	–	–
90.0	90.0	–	0.0	0.0	–	0.0	5.2	27.0	–	38.6	–	–	–
90.0	100.0	–	0.0	0.0	–	0.0	–	26.9	–	0.0	–	–	–
90.0	110.0	–	–	–	–	0.0	–	21.9	–	21.0	–	–	–
90.0	120.0	–	–	–	–	0.0	–	31.6	–	0.0	–	–	–
90.0	130.0	–	–	–	–	5.0	–	5.6	–	81.3	–	–	–
90.0	140.0	–	–	–	–	0.0	–	0.0	–	21.4	–	–	–
93.0	26.7	0.0	0.0	0.0	0.0	–	0.0	9.8	0.0	–	–	–	–
93.0	28.0	0.0	0.0	0.0	0.0	–	29.4	42.6	–	0.0	–	–	–
93.0	29.0	0.0	0.0	0.0	5.6	–	–	37.4	–	24.0	–	–	–
93.0	30.0	0.0	0.0	0.0	0.0	–	12.4	0.0	–	0.0	–	–	–
93.0	35.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	5.8	–	–	–
93.0	40.0	0.0	0.0	5.6	0.0	–	11.5	0.0	–	0.0	–	–	–
93.0	45.0	0.0	0.0	12.3	0.0	–	0.0	0.0	–	42.6	–	–	–
93.0	50.0	0.0	0.0	0.0	5.4	–	0.0	0.0	–	11.8	–	–	–
93.0	55.0	0.0	0.0	0.0	0.0	–	0.0	13.4	–	0.0	–	–	–
93.0	60.0	0.0	0.0	5.4	0.0	–	16.0	26.5	–	5.2	–	–	–
93.0	70.0	0.0	0.0	0.0	0.0	–	58.7	0.0	–	0.0	–	–	–
93.0	80.0	0.0	0.0	0.0	–	0.0	123.6	0.0	–	0.0	–	–	–
93.0	90.0	–	0.0	0.0	–	0.0	9.8	15.4	–	5.4	–	–	–
93.0	100.0	–	0.0	0.0	–	0.0	–	31.3	–	16.7	–	–	–
93.0	120.0	–	–	–	–	0.0	–	5.2	–	10.7	–	–	–
93.0	130.0	–	–	–	–	0.0	–	0.0	–	11.1	–	–	–
97.0	30.0	0.0	0.0	0.0	–	13.1	–	0.0	–	0.0	–	–	–
97.0	32.0	0.0	0.0	0.0	–	0.0	–	17.3	–	0.0	–	–	–
97.0	35.0	0.0	4.9	0.0	–	9.0	–	5.2	–	6.2	–	–	–
97.0	40.0	0.0	0.0	0.0	–	0.0	–	0.0	–	12.5	–	–	–
97.0	45.0	0.0	0.0	0.0	–	0.0	–	24.8	–	0.0	–	–	–
97.0	50.0	0.0	10.3	0.0	–	0.0	–	0.0	–	0.0	–	–	–
97.0	55.0	0.0	0.0	0.0	–	0.0	–	21.4	–	11.6	–	–	–
97.0	60.0	0.0	0.0	0.0	–	0.0	–	5.3	–	0.0	–	–	–
97.0	70.0	–	0.0	0.0	–	19.6	–	5.0	–	17.7	–	–	–
97.0	80.0	–	0.0	0.0	–	53.2	375.8	–	–	30.9	–	–	–
97.0	90.0	–	0.0	0.0	–	10.5	45.3	–	–	111.0	–	–	–
97.0	100.0	–	–	–	–	4.7	–	–	–	40.5	–	–	–
100.0	29.0	11.3	0.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0	35.0	0.0	0.0	0.0	–	0.0	–	5.6	–	27.7	–	–	–
100.0	40.0	0.0	0.0	5.4	–	24.1	–	23.4	–	0.0	–	–	–
100.0	45.0	0.0	0.0	0.0	–	0.0	–	0.0	–	12.6	–	–	–
100.0	50.0	0.0	0.0	0.0	–	34.6	–	0.0	–	11.3	–	–	–
100.0	60.0	0.0	0.0	0.0	–	5.7	–	55.1	–	31.1	–	–	–

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	70.0	0.0	0.0	0.0	-	-	-	107.1	-	36.3	-	-	-
100.0	80.0	0.0	0.0	0.0	-	5.0	-	284.9	-	5.6	-	-	-
100.0	90.0	0.0	4.5	0.0	-	25.8	-	55.9	-	47.2	-	-	-
100.0	100.0	-	-	-	-	9.1	-	-	-	0.0	-	-	-
103.0	29.0	0.0	0.0	0.0	-	0.0	-	0.0	-	6.1	-	-	-
103.0	35.0	0.0	-	0.0	-	26.7	-	0.0	-	0.0	-	-	-
103.0	40.0	0.0	-	0.0	-	10.5	-	16.4	-	41.2	-	-	-
103.0	45.0	0.0	-	0.0	-	0.0	-	5.2	-	26.0	-	-	-
103.0	50.0	0.0	0.0	0.0	-	0.0	-	32.1	-	12.3	-	-	-
103.0	60.0	0.0	0.0	0.0	-	-	-	176.1	-	24.0	-	-	-
103.0	70.0	0.0	0.0	0.0	-	-	-	114.0	-	35.1	-	-	-
103.0	80.0	0.0	0.0	5.1	-	-	-	65.6	-	30.8	-	-	-
103.0	90.0	-	-	-	-	-	-	110.6	-	158.0	-	-	-
107.0	31.0	4.5	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	-
107.0	32.0	0.0	0.0	0.0	-	0.0	-	11.4	0.0	58.4	-	-	-
107.0	35.0	0.0	0.0	11.0	-	33.1	-	70.9	0.0	31.1	-	-	-
107.0	40.0	0.0	0.0	0.0	-	0.0	-	115.6	-	60.8	-	-	-
107.0	45.0	0.0	0.0	0.0	-	46.0	-	-	-	38.2	-	-	-
107.0	50.0	0.0	0.0	0.0	-	39.1	-	15.9	-	11.0	-	-	-
107.0	60.0	0.0	0.0	0.0	-	-	-	26.9	-	206.4	-	-	-
107.0	70.0	-	0.0	10.9	-	-	-	98.8	-	120.8	-	-	-
107.0	80.0	-	5.3	5.4	-	-	-	182.6	-	98.9	-	-	-
107.0	90.0	-	-	-	-	-	-	118.4	-	34.3	-	-	-
110.0	32.4	0.0	0.0	4.8	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	35.0	0.0	0.0	0.0	-	11.3	-	21.7	0.0	0.0	-	-	-
110.0	40.0	9.9	0.0	30.7	-	65.2	-	11.4	5.3	129.4	-	-	-
110.0	45.0	0.0	0.0	0.0	-	11.1	-	32.9	-	332.0	-	-	-
110.0	50.0	0.0	0.0	10.6	-	53.5	-	81.0	9.8	31.2	-	-	-
110.0	60.0	0.0	0.0	31.0	-	-	-	52.3	-	241.2	-	-	-
110.0	70.0	-	0.0	5.5	-	-	-	21.2	-	247.0	-	-	-
110.0	80.0	-	0.0	0.0	-	-	-	21.4	-	28.3	-	-	-
110.0	90.0	-	-	-	-	-	-	-	-	69.5	-	-	-
113.0	35.0	10.3	0.0	20.5	-	34.1	-	-	-	111.2	-	-	-
113.0	40.0	5.0	0.0	26.5	-	34.9	-	-	5.6	118.7	-	-	-
113.0	45.0	10.6	0.0	47.5	-	53.2	-	-	135.7	101.0	-	-	-
113.0	50.0	0.0	5.3	0.0	-	36.4	-	97.4	27.4	0.0	-	-	-
113.0	60.0	5.3	4.4	10.6	-	-	-	97.0	88.2	18.9	-	-	-
113.0	70.0	-	0.0	10.8	-	-	-	85.0	-	66.3	-	-	-
113.0	80.0	-	3.9	16.1	-	-	-	51.3	-	104.0	-	-	-
113.0	90.0	-	-	-	-	-	-	-	40.9	159.8	-	-	-
117.0	30.0	-	0.0	0.0	-	-	-	-	0.0	5.1	-	-	-
117.0	35.0	-	0.0	0.0	-	-	-	-	0.0	51.3	-	-	-
117.0	40.0	-	0.0	5.8	-	-	-	-	25.9	35.3	-	-	-
117.0	45.0	-	0.0	11.5	-	-	-	-	237.5	107.0	-	-	-
117.0	50.0	-	8.0	17.2	-	-	-	-	54.4	112.5	-	-	-
117.0	60.0	-	0.0	6.0	-	-	-	-	118.0	114.4	-	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
117.0	70.0	–	0.0	0.0	–	–	–	–	94.7	513.3	–	–	–
117.0	80.0	–	0.0	51.9	–	–	–	–	282.5	12.6	–	–	–
118.0	39.0	–	0.0	0.0	–	–	–	–	12.6	12.4	–	–	–
120.0	35.0	–	0.0	–	4.4	–	–	–	0.0	0.0	–	–	–
120.0	40.0	–	3.7	–	0.0	–	–	–	0.0	0.0	–	–	–
120.0	45.0	–	5.3	–	0.0	–	–	–	0.0	94.4	–	–	–
120.0	50.0	–	0.0	–	4.9	–	–	–	88.4	79.4	–	–	–
120.0	60.0	–	5.2	–	14.3	–	–	–	84.5	189.8	–	–	–
120.0	70.0	–	0.0	–	9.7	–	–	–	78.7	206.4	–	–	–
120.0	80.0	–	15.6	–	9.5	–	–	–	120.1	45.0	–	–	–
123.0	36.0	–	4.6	–	0.0	–	–	–	23.6	0.0	–	–	–
123.0	42.0	–	0.0	–	–	–	–	–	–	423.3	–	–	–
123.0	45.0	–	24.0	–	4.6	–	–	–	–	501.3	–	–	–
123.0	50.0	–	4.8	–	0.0	–	–	–	16.7	62.1	–	–	–
123.0	60.0	–	10.4	–	25.6	–	–	–	30.3	13.0	–	–	–
127.0	34.0	–	0.0	–	4.7	–	–	–	0.0	11.0	–	–	–
127.0	40.0	–	–	–	0.0	–	–	–	67.4	0.0	–	–	–
127.0	45.0	–	0.0	–	0.0	–	–	–	202.8	152.3	–	–	–
127.0	50.0	–	18.3	–	39.5	–	–	–	147.0	22.5	–	–	–
127.0	60.0	–	0.0	–	–	–	–	–	70.3	155.0	–	–	–
130.0	28.0	–	0.0	–	9.8	–	–	–	0.0	0.0	–	–	–
130.0	35.0	–	0.0	–	42.4	–	–	–	28.4	224.7	–	–	–
130.0	40.0	–	5.0	–	10.7	–	–	–	–	147.0	–	–	–
130.0	50.0	–	0.0	–	82.3	–	–	–	64.0	12.0	–	–	–
130.0	60.0	–	9.2	–	76.5	–	–	–	24.2	35.0	–	–	–
133.0	23.0	–	0.0	–	4.9	–	–	–	0.0	0.0	–	–	–
133.0	30.0	–	0.0	–	49.2	–	–	–	89.6	104.8	–	–	–
133.0	35.0	–	37.0	–	46.9	–	–	–	118.8	45.8	–	–	–
133.0	40.0	–	17.9	–	24.1	–	–	–	184.8	5.9	–	–	–
133.0	50.0	–	5.4	–	146.9	–	–	–	35.4	12.0	–	–	–
133.0	60.0	–	21.3	–	25.9	–	–	–	18.0	106.7	–	–	–
137.0	30.0	–	0.0	–	0.0	–	–	–	152.3	5.9	–	–	–
137.0	35.0	–	10.7	–	47.3	–	–	–	115.1	35.7	–	–	–
137.0	40.0	–	0.0	–	62.9	–	–	–	5.7	0.0	–	–	–
137.0	50.0	–	11.0	–	35.4	–	–	–	111.6	45.1	–	–	–
137.0	60.0	–	5.6	–	10.4	–	–	–	59.1	–	–	–	–

Triphoturus nigrescens

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	150.0	–	–	–	–	0.0	–	5.3	–	0.0	–	–	–
100.0	100.0	–	–	–	–	0.0	–	–	–	5.8	–	–	–

TABLE 4. (cont.)

Centrobranchus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 190.0	–	–	–	–	0.0	–	5.7	–	–	–	–	–
90.0 200.0	–	–	–	–	0.0	–	5.0	–	–	–	–	–
93.0 160.0	–	–	–	–	0.0	–	0.0	–	5.3	–	–	–
93.0 170.0	–	–	–	–	5.3	–	0.0	–	–	–	–	–
93.0 180.0	–	–	–	–	0.0	–	5.2	–	0.0	–	–	–
93.0 190.0	–	–	–	–	0.0	–	5.2	–	–	–	–	–

Diogenichthys spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0 90.0	–	0.0	–	0.0	–	5.8	–	0.0	0.0	–	–	–
73.0 90.0	–	0.0	–	0.0	–	5.7	–	0.0	0.0	–	–	–
80.0 90.0	–	0.0	–	0.0	–	4.9	–	0.0	0.0	–	–	–
87.0 32.7	8.8	0.0	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
87.0 70.0	0.0	0.0	0.0	–	5.4	0.0	–	0.0	0.0	–	–	–
87.0 90.0	–	0.0	0.0	–	–	0.0	–	4.4	0.0	–	–	–
90.0 90.0	–	0.0	0.0	–	0.0	0.0	0.0	–	5.5	–	–	–
90.0 100.0	–	16.4	0.0	–	5.0	–	0.0	–	5.2	–	–	–
93.0 55.0	0.0	5.3	0.0	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0 80.0	5.4	0.0	0.0	–	0.0	0.0	0.0	–	0.0	–	–	–
97.0 50.0	12.3	10.3	0.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0 29.0	0.0	5.2	0.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0 100.0	–	–	–	–	13.6	–	–	–	0.0	–	–	–
103.0 60.0	0.0	9.3	0.0	–	–	–	0.0	–	0.0	–	–	–
103.0 70.0	0.0	0.0	0.0	–	–	–	2.7	–	0.0	–	–	–
107.0 45.0	0.0	14.3	0.0	–	0.0	–	–	–	0.0	–	–	–
107.0 60.0	0.0	5.2	0.0	–	–	–	0.0	–	12.1	–	–	–
110.0 35.0	0.0	5.8	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0 40.0	0.0	0.0	0.0	–	0.0	–	0.0	0.0	25.9	–	–	–
110.0 45.0	0.0	0.0	0.0	–	0.0	–	0.0	–	6.6	–	–	–
113.0 80.0	–	3.9	0.0	–	–	–	0.0	–	0.0	–	–	–
117.0 40.0	–	8.6	0.0	–	–	–	–	0.0	0.0	–	–	–
123.0 42.0	–	4.6	–	–	–	–	–	–	0.0	–	–	–

Diogenichthys atlanticus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0 80.0	–	5.7	–	–	–	0.0	–	0.0	0.0	–	–	–
60.0 90.0	–	–	–	–	–	0.0	–	4.6	5.7	–	–	–
63.0 50.0	–	0.0	–	3.6	0.0	–	–	0.0	0.0	–	–	–
67.0 50.0	–	0.0	–	0.0	0.0	0.0	–	11.2	0.0	–	–	–
67.0 65.0	–	0.0	–	12.0	–	–	–	0.0	0.0	–	–	–
67.0 80.0	–	0.0	–	8.3	–	0.0	–	0.0	–	–	–	–
70.0 70.0	–	0.0	–	0.0	0.0	45.4	–	0.0	0.0	–	–	–

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	80.0	-	0.0	-	4.3	-	26.9	-	0.0	0.0	-	-	-
70.0	90.0	-	0.0	-	5.6	-	0.0	-	10.2	5.3	-	-	-
73.0	53.0	-	0.0	-	0.0	0.0	0.0	-	12.4	0.0	-	-	-
73.0	60.0	-	0.0	-	0.0	0.0	0.0	-	33.2	0.0	-	-	-
73.0	65.0	-	0.0	-	0.0	0.0	-	-	5.1	10.4	-	-	-
73.0	80.0	-	0.0	-	0.0	-	6.1	-	0.0	0.0	-	-	-
73.0	90.0	-	0.0	-	0.0	-	11.5	-	0.0	0.0	-	-	-
77.0	65.0	-	0.0	-	0.0	0.0	-	-	5.5	0.0	-	-	-
77.0	80.0	-	0.0	-	0.0	-	29.6	-	0.0	0.0	-	-	-
77.0	90.0	-	5.4	-	0.0	-	6.0	-	21.9	0.0	-	-	-
80.0	55.0	-	10.7	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	60.0	-	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	80.0	-	11.3	-	0.0	-	0.0	-	11.4	0.0	-	-	-
83.0	55.0	0.0	0.0	-	16.2	0.0	-	-	0.0	0.0	-	-	-
83.0	70.0	0.0	0.0	-	0.0	0.0	0.0	-	11.9	0.0	-	-	-
83.0	90.0	-	0.0	-	4.9	-	0.0	-	0.0	0.0	-	-	-
87.0	36.0	0.0	0.0	-	5.6	0.0	-	-	0.0	0.0	-	-	-
87.0	45.0	11.2	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	55.0	0.0	0.0	12.0	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	60.0	0.0	0.0	12.1	-	5.7	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	5.4	-	-	-
87.0	80.0	0.0	0.0	5.7	-	-	0.0	-	0.0	0.0	-	-	-
87.0	90.0	-	5.1	17.9	-	-	0.0	-	0.0	11.0	-	-	-
90.0	31.0	0.0	0.0	12.4	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	33.0	0.0	6.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	53.0	0.0	5.0	18.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	60.0	0.0	0.0	0.0	-	19.2	0.0	0.0	-	0.0	-	-	-
90.0	70.0	0.0	15.9	5.9	-	4.6	0.0	0.0	-	0.0	-	-	-
90.0	80.0	0.0	0.0	29.1	-	5.2	0.0	0.0	-	0.0	-	-	-
90.0	90.0	-	0.0	5.9	-	0.0	0.0	5.4	-	0.0	-	-	-
90.0	100.0	-	0.0	43.8	-	10.0	-	0.0	-	5.2	-	-	-
90.0	110.0	-	-	-	-	20.9	-	0.0	-	0.0	-	-	-
90.0	120.0	-	-	-	-	10.2	-	0.0	-	37.3	-	-	-
90.0	130.0	-	-	-	-	65.0	-	0.0	-	0.0	-	-	-
90.0	140.0	-	-	-	-	130.5	-	0.0	-	16.0	-	-	-
90.0	150.0	-	-	-	-	26.1	-	0.0	-	63.1	-	-	-
90.0	160.0	-	-	-	-	84.6	-	5.1	-	67.1	-	-	-
90.0	170.0	-	-	-	-	53.5	-	0.0	-	-	-	-	-
90.0	180.0	-	-	-	-	44.3	-	5.0	-	5.4	-	-	-
90.0	190.0	-	-	-	-	21.5	-	11.3	-	-	-	-	-
90.0	200.0	-	-	-	-	5.2	-	0.0	-	-	-	-	-
93.0	40.0	0.0	15.9	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	45.0	0.0	11.1	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	50.0	0.0	19.7	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	55.0	0.0	10.5	7.4	5.2	-	0.0	13.4	-	0.0	-	-	-
93.0	60.0	0.0	0.0	32.4	5.3	-	16.0	10.6	-	0.0	-	-	-

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0 70.0	5.4	0.0	21.8	45.3	–	14.7	5.6	–	0.0	–	–	–
93.0 80.0	0.0	9.2	23.2	–	32.7	0.0	0.0	–	0.0	–	–	–
93.0 90.0	–	0.0	6.3	–	0.0	4.9	0.0	–	10.9	–	–	–
93.0 100.0	–	5.6	21.9	–	0.0	–	5.2	–	5.6	–	–	–
93.0 110.0	–	–	–	–	41.3	–	0.0	–	5.4	–	–	–
93.0 120.0	–	–	–	–	95.4	–	0.0	–	32.0	–	–	–
93.0 130.0	–	–	–	–	49.0	–	0.0	–	0.0	–	–	–
93.0 140.0	–	–	–	–	10.8	–	0.0	–	0.0	–	–	–
93.0 150.0	–	–	–	–	31.6	–	0.0	–	32.6	–	–	–
93.0 160.0	–	–	–	–	61.4	–	5.0	–	5.3	–	–	–
93.0 170.0	–	–	–	–	10.5	–	0.0	–	–	–	–	–
93.0 180.0	–	–	–	–	26.9	–	15.5	–	0.0	–	–	–
93.0 190.0	–	–	–	–	68.6	–	5.2	–	–	–	–	–
93.0 200.0	–	–	–	–	24.8	–	0.0	–	–	–	–	–
97.0 32.0	0.0	9.4	0.0	–	0.0	–	0.0	–	0.0	–	–	–
97.0 35.0	5.4	4.9	0.0	–	0.0	–	5.2	–	0.0	–	–	–
97.0 45.0	0.0	10.4	6.0	–	0.0	–	0.0	–	0.0	–	–	–
97.0 50.0	0.0	30.8	5.9	–	0.0	–	11.6	–	0.0	–	–	–
97.0 55.0	0.0	4.8	10.9	–	5.3	–	0.0	–	0.0	–	–	–
97.0 60.0	0.0	5.7	12.1	–	0.0	–	0.0	–	0.0	–	–	–
97.0 70.0	–	30.0	10.9	–	83.5	–	0.0	–	0.0	–	–	–
97.0 80.0	–	5.1	23.2	–	87.1	0.0	–	–	0.0	–	–	–
97.0 90.0	–	19.4	10.8	–	5.3	0.0	–	–	0.0	–	–	–
97.0 100.0	–	–	–	–	14.0	–	–	–	0.0	–	–	–
100.0 30.0	0.0	4.8	0.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0 35.0	11.5	0.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0 45.0	0.0	0.0	5.3	–	0.0	–	0.0	–	0.0	–	–	–
100.0 50.0	0.0	16.4	9.8	–	0.0	–	0.0	–	0.0	–	–	–
100.0 60.0	5.7	10.6	0.0	–	5.7	–	0.0	–	0.0	–	–	–
100.0 70.0	10.1	77.7	0.0	–	–	–	0.0	–	0.0	–	–	–
100.0 80.0	17.5	97.2	16.8	–	0.0	–	5.2	–	0.0	–	–	–
100.0 90.0	23.4	45.3	29.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0 100.0	–	–	–	–	31.7	–	–	–	0.0	–	–	–
103.0 29.0	6.6	0.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
103.0 30.0	8.7	0.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
103.0 45.0	0.0	–	0.0	–	12.0	–	0.0	–	0.0	–	–	–
103.0 50.0	0.0	3.8	5.0	–	0.0	–	0.0	–	0.0	–	–	–
103.0 60.0	0.0	0.0	10.8	–	–	–	0.0	–	0.0	–	–	–
103.0 70.0	5.9	34.4	10.2	–	–	–	2.8	–	0.0	–	–	–
103.0 80.0	5.6	23.7	15.2	–	–	–	0.0	–	6.2	–	–	–
107.0 40.0	0.0	5.3	5.4	–	0.0	–	0.0	–	0.0	–	–	–
107.0 45.0	0.0	9.5	0.0	–	0.0	–	–	–	0.0	–	–	–
107.0 50.0	11.5	28.0	0.0	–	11.2	–	0.0	–	0.0	–	–	–
107.0 60.0	0.0	10.4	21.9	–	–	–	0.0	–	0.0	–	–	–
107.0 70.0	–	0.0	5.4	–	–	–	2.7	–	0.0	–	–	–
107.0 80.0	–	0.0	10.7	–	–	–	0.0	–	0.0	–	–	–

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
107.0	90.0	-	-	-	-	-	-	5.4	-	0.0	-	-	-
110.0	35.0	5.3	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	40.0	0.0	0.0	5.1	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	45.0	0.0	0.0	10.1	-	0.0	-	0.0	-	0.0	-	-	-
110.0	50.0	0.0	11.1	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	60.0	0.0	11.4	5.2	-	-	-	0.0	-	0.0	-	-	-
110.0	70.0	-	0.0	5.5	-	-	-	0.0	-	0.0	-	-	-
110.0	80.0	-	20.0	5.2	-	-	-	0.0	-	0.0	-	-	-
110.0	90.0	-	-	-	-	-	-	-	-	5.8	-	-	-
113.0	30.0	0.0	0.0	0.0	-	0.0	-	-	0.0	5.1	-	-	-
113.0	50.0	0.0	5.3	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
113.0	60.0	0.0	0.0	0.0	-	-	-	0.0	5.2	12.6	-	-	-
113.0	80.0	-	0.0	0.0	-	-	-	5.1	-	11.6	-	-	-
113.0	90.0	-	-	-	-	-	-	-	0.0	5.9	-	-	-
117.0	70.0	-	0.0	15.3	-	-	-	-	0.0	0.0	-	-	-
120.0	45.0	-	5.3	-	0.0	-	-	-	0.0	0.0	-	-	-
127.0	45.0	-	0.0	-	0.0	-	-	-	0.0	5.3	-	-	-

Diogenichthys laternatus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0	60.0	-	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	45.0	0.0	5.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	70.0	6.0	0.0	11.5	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	31.0	19.5	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
93.0	26.9	5.3	0.0	0.0	0.0	-	0.0	-	0.0	-	-	-	-
93.0	35.0	10.9	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	40.0	13.1	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	45.0	0.0	11.1	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
97.0	32.0	0.0	9.4	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	80.0	-	0.0	0.0	-	14.5	0.0	-	-	0.0	-	-	-
97.0	100.0	-	-	-	-	0.0	-	-	-	11.6	-	-	-
100.0	45.0	0.0	5.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	60.0	5.7	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	90.0	0.0	0.0	0.0	-	15.5	-	0.0	-	0.0	-	-	-
103.0	35.0	0.0	-	5.5	-	0.0	-	0.0	-	0.0	-	-	-
103.0	45.0	0.0	-	15.3	-	0.0	-	0.0	-	0.0	-	-	-
103.0	60.0	0.0	0.0	21.7	-	-	-	0.0	-	12.0	-	-	-
103.0	80.0	0.0	0.0	5.1	-	-	-	2.6	-	0.0	-	-	-
107.0	32.0	0.0	16.8	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	35.0	5.4	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	40.0	16.1	0.0	16.2	-	0.0	-	0.0	-	0.0	-	-	-
107.0	45.0	26.1	0.0	5.5	-	0.0	-	-	-	0.0	-	-	-
107.0	50.0	34.5	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0	60.0	11.1	26.1	5.5	-	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
107.0	70.0	–	172.2	5.4	–	–	–	2.7	–	0.0	–	–	–
107.0	80.0	–	53.5	16.1	–	–	–	0.0	–	0.0	–	–	–
110.0	32.4	4.4	0.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0	35.0	15.8	0.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0	40.0	29.6	22.8	30.7	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0	45.0	21.0	18.0	60.6	–	0.0	–	0.0	–	0.0	–	–	–
110.0	50.0	10.8	22.2	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0	60.0	15.9	5.7	15.5	–	–	–	10.5	–	0.0	–	–	–
110.0	70.0	–	94.7	10.9	–	–	–	15.9	–	0.0	–	–	–
110.0	80.0	–	0.0	57.0	–	–	–	42.9	–	17.0	–	–	–
113.0	35.0	15.4	0.0	0.0	–	0.0	–	–	–	0.0	–	–	–
113.0	40.0	60.4	14.2	31.8	–	0.0	–	–	0.0	17.0	–	–	–
113.0	45.0	21.2	0.0	10.6	–	0.0	–	–	0.0	0.0	–	–	–
113.0	50.0	36.9	37.5	21.1	–	0.0	–	0.0	0.0	37.0	–	–	–
113.0	60.0	63.5	70.6	116.4	–	–	–	21.6	0.0	0.0	–	–	–
113.0	70.0	–	14.3	5.4	–	–	–	5.3	–	6.0	–	–	–
113.0	80.0	–	31.4	16.1	–	–	–	0.0	–	46.2	–	–	–
113.0	90.0	–	–	–	–	–	–	–	0.0	11.8	–	–	–
117.0	30.0	–	4.8	0.0	–	–	–	–	0.0	0.0	–	–	–
117.0	40.0	–	0.0	0.0	–	–	–	–	12.9	5.9	–	–	–
117.0	45.0	–	0.0	17.2	–	–	–	–	6.1	16.0	–	–	–
117.0	50.0	–	12.0	0.0	–	–	–	–	0.0	0.0	–	–	–
117.0	60.0	–	13.6	54.4	–	–	–	–	0.0	0.0	–	–	–
117.0	70.0	–	31.2	15.3	–	–	–	–	5.9	0.0	–	–	–
117.0	80.0	–	13.2	57.7	–	–	–	–	0.0	12.6	–	–	–
120.0	45.0	–	159.3	–	52.0	–	–	–	0.0	11.1	–	–	–
120.0	50.0	–	36.4	–	9.7	–	–	–	19.6	36.7	–	–	–
120.0	60.0	–	41.7	–	23.9	–	–	–	11.3	41.5	–	–	–
120.0	70.0	–	44.6	–	29.2	–	–	–	0.0	6.4	–	–	–
120.0	80.0	–	15.6	–	80.4	–	–	–	17.2	33.7	–	–	–
123.0	36.0	–	0.0	–	0.0	–	–	–	4.7	0.0	–	–	–
123.0	37.0	–	4.7	–	4.6	–	–	–	0.0	0.0	–	–	–
123.0	42.0	–	4.6	–	–	–	–	–	–	27.9	–	–	–
123.0	45.0	–	57.6	–	41.3	–	–	–	–	90.6	–	–	–
123.0	50.0	–	33.5	–	162.4	–	–	–	0.0	6.2	–	–	–
123.0	60.0	–	129.5	–	61.3	–	–	–	12.1	0.0	–	–	–
127.0	34.0	–	8.5	–	9.3	–	–	–	0.0	0.0	–	–	–
127.0	40.0	–	–	–	52.4	–	–	–	0.0	0.0	–	–	–
127.0	45.0	–	23.6	–	94.2	–	–	–	0.0	42.0	–	–	–
127.0	50.0	–	45.7	–	133.4	–	–	–	0.0	61.9	–	–	–
127.0	60.0	–	4.7	–	–	–	–	–	17.6	6.2	–	–	–
130.0	35.0	–	10.5	–	143.1	–	–	–	153.1	54.8	–	–	–
130.0	40.0	–	10.0	–	69.8	–	–	–	–	57.5	–	–	–
130.0	50.0	–	66.2	–	120.8	–	–	–	29.1	60.1	–	–	–
130.0	60.0	–	13.7	–	91.8	–	–	–	66.6	0.0	–	–	–
133.0	25.0	–	0.0	–	36.8	–	–	–	0.0	0.0	–	–	–

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
133.0	30.0	-	0.0	-	59.0	-	-	-	121.6	15.7	-	-	-
133.0	35.0	-	47.6	-	37.5	-	-	-	106.9	40.0	-	-	-
133.0	40.0	-	95.2	-	19.3	-	-	-	37.0	11.8	-	-	-
133.0	50.0	-	59.9	-	124.3	-	-	-	41.3	53.8	-	-	-
133.0	60.0	-	138.3	-	10.3	-	-	-	30.1	94.9	-	-	-
137.0	30.0	-	0.0	-	73.2	-	-	-	50.8	0.0	-	-	-
137.0	35.0	-	32.2	-	73.6	-	-	-	120.6	122.4	-	-	-
137.0	40.0	-	24.7	-	36.7	-	-	-	45.7	78.5	-	-	-
137.0	50.0	-	49.3	-	111.1	-	-	-	44.6	32.3	-	-	-
137.0	60.0	-	38.9	-	20.8	-	-	-	5.9	-	-	-	-

Electrona rissoi

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	90.0	-	-	-	-	-	0.0	-	0.0	5.6	-	-	-
73.0	80.0	-	0.0	-	0.0	-	0.0	-	5.1	0.0	-	-	-
87.0	90.0	-	0.0	0.0	-	-	0.0	-	0.0	5.5	-	-	-
90.0	100.0	-	0.0	16.4	-	0.0	-	0.0	-	5.2	-	-	-
90.0	120.0	-	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0	140.0	-	-	-	-	5.2	-	5.4	-	0.0	-	-	-
90.0	160.0	-	-	-	-	10.6	-	5.1	-	10.3	-	-	-
90.0	170.0	-	-	-	-	5.3	-	10.2	-	-	-	-	-
93.0	110.0	-	-	-	-	5.2	-	0.0	-	0.0	-	-	-
93.0	130.0	-	-	-	-	0.0	-	0.0	-	5.5	-	-	-
93.0	160.0	-	-	-	-	5.1	-	5.0	-	5.3	-	-	-
93.0	170.0	-	-	-	-	5.3	-	0.0	-	-	-	-	-
97.0	70.0	-	5.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-

Gonichthys tenuiculus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
103.0	70.0	3.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	45.0	0.0	4.8	0.0	-	0.0	-	-	-	0.0	-	-	-
107.0	60.0	0.0	5.2	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0	60.0	0.0	5.7	0.0	-	-	-	5.2	-	0.0	-	-	-
110.0	80.0	-	0.0	0.0	-	-	-	5.4	-	0.0	-	-	-
113.0	60.0	0.0	8.8	0.0	-	-	-	5.4	0.0	0.0	-	-	-
113.0	80.0	-	0.0	16.1	-	-	-	0.0	-	0.0	-	-	-
113.0	90.0	-	-	-	-	-	-	-	0.0	5.9	-	-	-
117.0	50.0	-	0.0	0.0	-	-	-	-	0.0	6.3	-	-	-
117.0	80.0	-	17.6	5.8	-	-	-	-	0.0	0.0	-	-	-
120.0	45.0	-	5.3	-	0.0	-	-	-	0.0	5.6	-	-	-
120.0	50.0	-	10.4	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	70.0	-	9.9	-	0.0	-	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Gonichthys tenuiculus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	80.0	–	10.4	–	0.0	–	–	–	0.0	0.0	–	–	–
123.0	42.0	–	4.6	–	–	–	–	–	–	0.0	–	–	–
123.0	60.0	–	10.4	–	0.0	–	–	–	0.0	0.0	–	–	–
127.0	45.0	–	4.7	–	0.0	–	–	–	0.0	0.0	–	–	–
127.0	50.0	–	4.6	–	4.9	–	–	–	6.7	0.0	–	–	–
127.0	60.0	–	4.7	–	–	–	–	–	0.0	0.0	–	–	–
130.0	40.0	–	0.0	–	5.4	–	–	–	–	0.0	–	–	–
130.0	50.0	–	0.0	–	5.5	–	–	–	0.0	0.0	–	–	–
130.0	60.0	–	4.6	–	5.1	–	–	–	0.0	0.0	–	–	–
133.0	30.0	–	0.0	–	9.8	–	–	–	0.0	0.0	–	–	–
133.0	35.0	–	10.6	–	0.0	–	–	–	5.9	5.7	–	–	–
133.0	40.0	–	5.9	–	14.5	–	–	–	0.0	0.0	–	–	–
133.0	50.0	–	27.3	–	5.7	–	–	–	5.9	0.0	–	–	–
133.0	60.0	–	74.5	–	15.5	–	–	–	0.0	0.0	–	–	–
137.0	30.0	–	0.0	–	0.0	–	–	–	5.6	0.0	–	–	–
137.0	35.0	–	5.4	–	0.0	–	–	–	0.0	0.0	–	–	–
137.0	40.0	–	14.8	–	0.0	–	–	–	0.0	0.0	–	–	–
137.0	50.0	–	0.0	–	0.0	–	–	–	5.6	0.0	–	–	–
137.0	60.0	–	16.7	–	0.0	–	–	–	0.0	–	–	–	–

Hygophum spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	90.0	–	0.0	–	0.0	–	0.0	–	0.0	5.8	–	–	–
100.0	60.0	0.0	10.6	0.0	–	0.0	–	0.0	–	0.0	–	–	–
110.0	60.0	0.0	0.0	0.0	–	–	–	5.2	–	0.0	–	–	–
117.0	50.0	–	16.0	0.0	–	–	–	–	0.0	0.0	–	–	–
137.0	35.0	–	0.0	–	0.0	–	–	–	0.0	10.2	–	–	–

Hygophum atratum

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	90.0	–	0.0	0.0	–	–	5.1	–	0.0	0.0	–	–	–
93.0	55.0	0.0	0.0	7.4	0.0	–	0.0	0.0	–	0.0	–	–	–
107.0	35.0	0.0	9.3	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
107.0	40.0	0.0	0.0	5.4	–	0.0	–	0.0	–	0.0	–	–	–
107.0	80.0	–	0.0	0.0	–	–	–	3.0	–	0.0	–	–	–
110.0	70.0	–	5.3	0.0	–	–	–	0.0	–	0.0	–	–	–
113.0	50.0	18.5	5.3	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
113.0	60.0	0.0	8.8	0.0	–	–	–	5.4	0.0	0.0	–	–	–
113.0	70.0	–	4.8	0.0	–	–	–	0.0	–	0.0	–	–	–
113.0	80.0	–	3.9	0.0	–	–	–	0.0	–	0.0	–	–	–
117.0	60.0	–	9.1	0.0	–	–	–	–	0.0	0.0	–	–	–
117.0	70.0	–	7.8	0.0	–	–	–	–	0.0	0.0	–	–	–

TABLE 4. (cont.)

Hygophum atratum (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
117.0 80.0	-	22.0	40.4	-	-	-	-	0.0	0.0	-	-	-
120.0 45.0	-	10.6	-	4.7	-	-	-	0.0	0.0	-	-	-
120.0 70.0	-	5.0	-	0.0	-	-	-	5.6	0.0	-	-	-
120.0 80.0	-	5.2	-	33.1	-	-	-	5.7	0.0	-	-	-
123.0 50.0	-	4.8	-	4.9	-	-	-	0.0	0.0	-	-	-
123.0 60.0	-	5.2	-	5.1	-	-	-	0.0	0.0	-	-	-
127.0 45.0	-	0.0	-	0.0	-	-	-	0.0	5.3	-	-	-
127.0 50.0	-	0.0	-	4.9	-	-	-	0.0	11.3	-	-	-
130.0 35.0	-	0.0	-	10.6	-	-	-	0.0	0.0	-	-	-
130.0 40.0	-	0.0	-	10.7	-	-	-	-	0.0	-	-	-
130.0 50.0	-	5.1	-	5.5	-	-	-	0.0	0.0	-	-	-
130.0 60.0	-	0.0	-	25.5	-	-	-	0.0	0.0	-	-	-
133.0 30.0	-	0.0	-	9.8	-	-	-	0.0	0.0	-	-	-
133.0 35.0	-	15.9	-	4.7	-	-	-	0.0	0.0	-	-	-
133.0 40.0	-	0.0	-	4.8	-	-	-	0.0	0.0	-	-	-
133.0 50.0	-	0.0	-	22.6	-	-	-	0.0	0.0	-	-	-
133.0 60.0	-	5.3	-	0.0	-	-	-	6.0	0.0	-	-	-
137.0 35.0	-	0.0	-	5.3	-	-	-	0.0	0.0	-	-	-
137.0 40.0	-	0.0	-	10.5	-	-	-	5.7	0.0	-	-	-
137.0 50.0	-	0.0	-	5.1	-	-	-	5.6	0.0	-	-	-
137.0 60.0	-	55.6	-	0.0	-	-	-	0.0	-	-	-	-

Hygophum reinhardtii

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0 90.0	-	0.0	0.0	-	-	0.0	-	0.0	5.5	-	-	-
90.0 100.0	-	0.0	0.0	-	0.0	-	0.0	-	10.3	-	-	-
90.0 140.0	-	-	-	-	0.0	-	10.8	-	5.3	-	-	-
90.0 160.0	-	-	-	-	10.6	-	5.1	-	0.0	-	-	-
90.0 170.0	-	-	-	-	0.0	-	15.3	-	-	-	-	-
90.0 180.0	-	-	-	-	5.5	-	5.0	-	5.4	-	-	-
90.0 190.0	-	-	-	-	0.0	-	22.6	-	-	-	-	-
90.0 200.0	-	-	-	-	5.2	-	5.0	-	-	-	-	-
93.0 110.0	-	-	-	-	0.0	-	10.8	-	0.0	-	-	-
93.0 130.0	-	-	-	-	10.9	-	10.6	-	0.0	-	-	-
93.0 140.0	-	-	-	-	0.0	-	4.7	-	10.8	-	-	-
93.0 150.0	-	-	-	-	15.8	-	4.9	-	21.8	-	-	-
93.0 160.0	-	-	-	-	15.4	-	5.0	-	0.0	-	-	-
93.0 170.0	-	-	-	-	10.5	-	0.0	-	-	-	-	-
93.0 180.0	-	-	-	-	0.0	-	20.6	-	0.0	-	-	-
93.0 200.0	-	-	-	-	14.9	-	0.0	-	-	-	-	-
97.0 100.0	-	-	-	-	9.3	-	-	-	5.8	-	-	-
100.0 50.0	0.0	5.4	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0 90.0	2.6	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Loweina rara

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 70.0	5.4	0.0	0.0	–	0.0	0.0	0.0	–	0.0	–	–	–
90.0 140.0	–	–	–	–	0.0	–	0.0	–	5.3	–	–	–
90.0 190.0	–	–	–	–	0.0	–	5.7	–	–	–	–	–
90.0 200.0	–	–	–	–	5.2	–	0.0	–	–	–	–	–
93.0 150.0	–	–	–	–	0.0	–	4.9	–	0.0	–	–	–
93.0 170.0	–	–	–	–	5.3	–	0.0	–	–	–	–	–
103.0 80.0	0.0	9.5	0.0	–	–	–	0.0	–	0.0	–	–	–
107.0 70.0	–	0.0	0.0	–	–	–	2.7	–	0.0	–	–	–
110.0 70.0	–	5.3	0.0	–	–	–	0.0	–	0.0	–	–	–
110.0 80.0	–	0.0	5.2	–	–	–	0.0	–	0.0	–	–	–

Myctophum nitidulum

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0 90.0	–	0.0	–	0.0	–	0.0	–	0.0	5.8	–	–	–
90.0 29.0	0.0	5.5	0.0	–	0.0	0.0	–	0.0	0.0	–	–	–
90.0 80.0	0.0	0.0	0.0	–	0.0	0.0	5.3	–	0.0	–	–	–
90.0 110.0	–	–	–	–	0.0	–	0.0	–	5.3	–	–	–
90.0 120.0	–	–	–	–	0.0	–	0.0	–	5.3	–	–	–
90.0 130.0	–	–	–	–	0.0	–	0.0	–	16.3	–	–	–
90.0 150.0	–	–	–	–	0.0	–	0.0	–	15.8	–	–	–
90.0 170.0	–	–	–	–	0.0	–	5.1	–	–	–	–	–
90.0 180.0	–	–	–	–	0.0	–	5.0	–	0.0	–	–	–
93.0 55.0	0.0	0.0	7.4	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0 110.0	–	–	–	–	0.0	–	5.4	–	21.8	–	–	–
93.0 120.0	–	–	–	–	5.3	–	0.0	–	0.0	–	–	–
93.0 130.0	–	–	–	–	5.4	–	0.0	–	0.0	–	–	–
93.0 140.0	–	–	–	–	21.6	–	4.7	–	5.4	–	–	–
93.0 150.0	–	–	–	–	0.0	–	0.0	–	10.9	–	–	–
93.0 160.0	–	–	–	–	0.0	–	10.0	–	0.0	–	–	–
93.0 190.0	–	–	–	–	0.0	–	5.2	–	–	–	–	–
97.0 50.0	0.0	10.3	0.0	–	0.0	–	0.0	–	0.0	–	–	–
97.0 55.0	0.0	0.0	10.9	–	0.0	–	0.0	–	0.0	–	–	–
97.0 80.0	–	0.0	0.0	–	0.0	5.0	–	–	0.0	–	–	–
97.0 100.0	–	–	–	–	0.0	–	–	–	5.8	–	–	–
100.0 60.0	0.0	0.0	5.7	–	0.0	–	0.0	–	0.0	–	–	–
100.0 70.0	0.0	4.6	0.0	–	–	–	5.1	–	0.0	–	–	–
100.0 80.0	2.9	0.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0 90.0	2.6	0.0	5.8	–	0.0	–	0.0	–	0.0	–	–	–
103.0 60.0	0.0	4.7	0.0	–	–	–	2.8	–	0.0	–	–	–
103.0 70.0	0.0	4.3	0.0	–	–	–	5.5	–	0.0	–	–	–
103.0 80.0	8.4	9.5	25.4	–	–	–	0.0	–	0.0	–	–	–
107.0 35.0	0.0	9.3	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
107.0 50.0	11.5	4.7	0.0	–	0.0	–	0.0	–	0.0	–	–	–
107.0 60.0	0.0	10.4	0.0	–	–	–	0.0	–	0.0	–	–	–

TABLE 4. (cont.)

Myctophum nitidulum (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
107.0	70.0	–	6.2	5.4	–	–	–	0.0	–	0.0	–	–	–
107.0	80.0	–	0.0	0.0	–	–	–	5.5	–	0.0	–	–	–
107.0	90.0	–	–	–	–	–	–	10.8	–	11.4	–	–	–
110.0	40.0	0.0	5.7	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0	60.0	0.0	5.7	0.0	–	–	–	0.0	–	0.0	–	–	–
110.0	70.0	–	15.8	0.0	–	–	–	0.0	–	5.9	–	–	–
110.0	80.0	–	5.0	5.2	–	–	–	5.4	–	0.0	–	–	–
113.0	35.0	0.0	4.3	0.0	–	0.0	–	–	–	0.0	–	–	–
113.0	50.0	9.2	0.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
113.0	60.0	0.0	13.2	0.0	–	–	–	0.0	0.0	0.0	–	–	–
113.0	70.0	–	4.8	0.0	–	–	–	0.0	–	0.0	–	–	–
113.0	80.0	–	3.9	0.0	–	–	–	0.0	–	0.0	–	–	–
117.0	50.0	–	8.0	0.0	–	–	–	–	0.0	0.0	–	–	–
120.0	50.0	–	0.0	–	4.9	–	–	–	0.0	0.0	–	–	–
120.0	70.0	–	0.0	–	0.0	–	–	–	5.6	0.0	–	–	–
120.0	80.0	–	0.0	–	9.5	–	–	–	5.7	0.0	–	–	–
123.0	42.0	–	0.0	–	–	–	–	–	–	5.6	–	–	–
123.0	45.0	–	0.0	–	0.0	–	–	–	–	6.0	–	–	–
127.0	60.0	–	0.0	–	–	–	–	–	5.9	0.0	–	–	–
130.0	40.0	–	0.0	–	0.0	–	–	–	–	6.4	–	–	–
130.0	60.0	–	4.6	–	0.0	–	–	–	0.0	0.0	–	–	–
133.0	60.0	–	5.3	–	0.0	–	–	–	0.0	0.0	–	–	–

Protomyctophum crockeri

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	–	0.0	–	0.0	0.0	18.2	–	0.0	0.0	–	–	–
60.0	60.0	–	0.0	–	0.0	0.0	19.8	–	0.0	22.2	–	–	–
60.0	65.0	–	0.0	–	–	–	–	–	10.9	0.0	–	–	–
60.0	70.0	–	6.1	–	0.0	–	0.0	–	0.0	11.6	–	–	–
60.0	80.0	–	22.9	–	–	–	0.0	–	0.0	0.0	–	–	–
60.0	90.0	–	–	–	–	–	10.7	–	9.2	0.0	–	–	–
63.0	55.0	–	0.0	–	10.0	0.0	0.0	–	0.0	0.0	–	–	–
63.0	65.0	–	0.0	–	9.5	–	–	–	0.0	11.1	–	–	–
63.0	70.0	–	0.0	–	0.0	–	10.5	–	0.0	0.0	–	–	–
63.0	80.0	–	0.0	–	–	–	18.6	–	0.0	–	–	–	–
63.0	90.0	–	–	–	–	–	9.9	–	0.0	0.0	–	–	–
67.0	50.0	–	0.0	–	12.9	0.0	0.0	–	0.0	0.0	–	–	–
67.0	55.0	–	0.0	–	13.1	0.0	0.0	–	0.0	0.0	–	–	–
67.0	60.0	–	0.0	–	14.7	0.0	0.0	–	0.0	0.0	–	–	–
67.0	65.0	–	0.0	–	12.0	–	–	–	0.0	0.0	–	–	–
67.0	70.0	–	0.0	–	0.0	–	52.9	–	0.0	11.0	–	–	–
67.0	80.0	–	0.0	–	16.5	–	0.0	–	0.0	–	–	–	–
67.0	90.0	–	0.0	–	10.4	–	11.9	–	5.6	0.0	–	–	–
70.0	53.0	–	0.0	–	0.0	0.0	0.0	–	20.1	0.0	–	–	–

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	60.0	-	0.0	-	0.0	0.0	0.0	-	10.7	0.0	-	-	-
70.0	70.0	-	23.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
70.0	80.0	-	24.4	-	0.0	-	16.2	-	11.3	22.0	-	-	-
70.0	90.0	-	0.0	-	0.0	-	5.8	-	15.3	0.0	-	-	-
73.0	53.0	-	0.0	-	0.0	20.4	48.1	-	0.0	0.0	-	-	-
73.0	60.0	-	0.0	-	0.0	0.0	6.1	-	11.1	9.7	-	-	-
73.0	65.0	-	0.0	-	0.0	10.7	-	-	10.3	0.0	-	-	-
73.0	70.0	-	0.0	-	0.0	0.0	0.0	-	9.9	0.0	-	-	-
73.0	80.0	-	12.1	-	0.0	-	0.0	-	0.0	0.0	-	-	-
73.0	90.0	-	17.1	-	14.9	-	5.7	-	0.0	5.5	-	-	-
77.0	51.0	-	10.3	-	0.0	0.0	14.4	-	0.0	0.0	-	-	-
77.0	55.0	-	0.0	-	10.2	0.0	0.0	-	34.0	0.0	-	-	-
77.0	60.0	-	22.3	-	0.0	10.6	0.0	-	19.6	0.0	-	-	-
77.0	70.0	-	0.0	-	11.1	12.5	0.0	-	0.0	0.0	-	-	-
77.0	80.0	-	5.5	-	0.0	-	5.9	-	0.0	0.0	-	-	-
77.0	90.0	-	5.4	-	16.5	-	6.0	-	5.5	0.0	-	-	-
80.0	60.0	-	0.0	-	30.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	70.0	-	0.0	-	35.6	10.8	0.0	-	0.0	0.0	-	-	-
80.0	80.0	-	11.3	-	0.0	-	0.0	-	0.0	0.0	-	-	-
80.0	90.0	-	0.0	-	16.3	-	4.9	-	0.0	0.0	-	-	-
83.0	55.0	0.0	10.3	-	0.0	11.4	-	-	0.0	0.0	-	-	-
83.0	60.0	5.2	0.0	-	9.8	19.0	34.3	-	0.0	0.0	-	-	-
83.0	70.0	5.4	10.6	-	10.0	0.0	0.0	-	0.0	10.5	-	-	-
83.0	80.0	5.4	10.2	-	5.0	-	0.0	-	0.0	0.0	-	-	-
83.0	90.0	-	0.0	-	0.0	-	0.0	-	4.6	17.3	-	-	-
87.0	35.0	0.0	0.0	-	6.4	0.0	0.0	-	0.0	0.0	-	-	-
87.0	36.0	0.0	11.3	-	0.0	0.0	-	-	0.0	0.0	-	-	-
87.0	40.0	0.0	0.0	-	11.6	0.0	0.0	-	0.0	0.0	-	-	-
87.0	45.0	0.0	0.0	-	0.0	9.9	0.0	-	0.0	0.0	-	-	-
87.0	50.0	0.0	4.0	0.0	-	0.0	0.0	-	0.0	4.9	-	-	-
87.0	55.0	9.8	20.5	18.0	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	60.0	12.6	0.0	12.1	-	17.0	21.2	-	0.0	0.0	-	-	-
87.0	70.0	6.0	5.2	11.5	-	16.2	20.5	-	0.0	10.8	-	-	-
87.0	80.0	0.0	10.6	28.4	-	-	5.0	-	0.0	11.1	-	-	-
87.0	90.0	-	5.1	6.0	-	-	10.3	-	4.4	5.5	-	-	-
90.0	28.0	11.5	0.0	0.0	-	0.0	0.0	-	0.0	11.2	-	-	-
90.0	29.0	0.0	11.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	30.0	0.0	0.0	0.0	-	10.8	0.0	-	0.0	0.0	-	-	-
90.0	31.0	9.7	5.8	0.0	-	12.7	0.0	-	0.0	0.0	-	-	-
90.0	33.0	10.6	12.0	12.4	-	0.0	0.0	-	10.0	12.0	-	-	-
90.0	37.0	0.0	0.0	0.0	-	11.3	0.0	-	0.0	0.0	-	-	-
90.0	53.0	18.3	0.0	36.1	-	10.7	0.0	0.0	-	0.0	-	-	-
90.0	60.0	0.0	0.0	0.0	-	38.3	0.0	0.0	-	5.7	-	-	-
90.0	70.0	0.0	37.2	0.0	-	9.1	26.0	15.7	-	0.0	-	-	-
90.0	80.0	10.3	5.1	23.3	-	41.7	16.0	5.3	-	0.0	-	-	-
90.0	90.0	-	0.0	17.7	-	5.2	0.0	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 100.0	–	10.9	0.0	–	25.1	–	0.0	–	0.0	–	–	–
90.0 110.0	–	–	–	–	31.3	–	0.0	–	5.3	–	–	–
90.0 120.0	–	–	–	–	5.1	–	5.3	–	0.0	–	–	–
90.0 130.0	–	–	–	–	5.0	–	5.6	–	10.8	–	–	–
90.0 140.0	–	–	–	–	10.4	–	0.0	–	0.0	–	–	–
90.0 150.0	–	–	–	–	15.7	–	5.3	–	0.0	–	–	–
90.0 160.0	–	–	–	–	42.3	–	10.2	–	0.0	–	–	–
93.0 28.0	0.0	0.0	5.9	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0 29.0	5.6	10.9	6.0	0.0	–	–	0.0	–	0.0	–	–	–
93.0 30.0	0.0	0.0	25.3	18.0	–	0.0	0.0	–	0.0	–	–	–
93.0 35.0	0.0	0.0	10.2	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0 40.0	13.1	5.3	22.6	0.0	–	0.0	22.2	–	0.0	–	–	–
93.0 45.0	22.2	11.1	12.3	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0 50.0	10.1	0.0	36.7	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0 55.0	0.0	0.0	22.3	5.2	–	9.5	0.0	–	11.4	–	–	–
93.0 60.0	10.5	0.0	43.2	26.4	–	31.9	21.2	–	5.2	–	–	–
93.0 70.0	10.8	11.8	32.7	5.0	–	19.6	28.1	–	0.0	–	–	–
93.0 80.0	32.3	23.0	0.0	–	32.7	25.8	0.0	–	5.9	–	–	–
93.0 90.0	–	26.5	12.7	–	11.2	9.8	0.0	–	0.0	–	–	–
93.0 100.0	–	5.6	43.8	–	5.6	–	0.0	–	0.0	–	–	–
93.0 110.0	–	–	–	–	10.3	–	0.0	–	5.4	–	–	–
93.0 120.0	–	–	–	–	58.3	–	10.4	–	16.0	–	–	–
93.0 130.0	–	–	–	–	10.9	–	0.0	–	5.5	–	–	–
93.0 140.0	–	–	–	–	5.4	–	0.0	–	5.4	–	–	–
93.0 150.0	–	–	–	–	52.7	–	9.9	–	0.0	–	–	–
93.0 160.0	–	–	–	–	15.4	–	0.0	–	0.0	–	–	–
93.0 180.0	–	–	–	–	10.8	–	0.0	–	0.0	–	–	–
97.0 32.0	0.0	0.0	0.0	–	0.0	–	11.1	–	0.0	–	–	–
97.0 35.0	16.1	14.8	5.7	–	18.0	–	9.3	–	0.0	–	–	–
97.0 40.0	0.0	5.5	10.3	–	0.0	–	6.2	–	12.5	–	–	–
97.0 45.0	19.8	0.0	24.0	–	0.0	–	0.0	–	0.0	–	–	–
97.0 50.0	24.6	10.3	0.0	–	5.1	–	5.8	–	0.0	–	–	–
97.0 55.0	0.0	28.9	21.9	–	0.0	–	5.7	–	11.6	–	–	–
97.0 60.0	19.0	17.0	36.2	–	0.0	–	19.0	–	0.0	–	–	–
97.0 70.0	–	5.0	21.8	–	34.4	–	19.8	–	0.0	–	–	–
97.0 80.0	–	0.0	23.2	–	4.8	10.0	–	–	0.0	–	–	–
97.0 90.0	–	4.9	21.6	–	0.0	0.0	–	–	0.0	–	–	–
97.0 100.0	–	–	–	–	4.7	–	–	–	0.0	–	–	–
100.0 29.0	0.0	0.0	0.0	–	0.0	–	4.4	–	0.0	–	–	–
100.0 30.0	0.0	0.0	5.3	–	0.0	–	0.0	–	0.0	–	–	–
100.0 35.0	0.0	0.0	15.2	–	21.1	–	0.0	–	0.0	–	–	–
100.0 40.0	20.5	9.6	10.8	–	12.0	–	5.0	–	0.0	–	–	–
100.0 45.0	30.2	10.0	16.0	–	0.0	–	19.4	–	0.0	–	–	–
100.0 50.0	0.0	0.0	39.4	–	0.0	–	19.4	–	0.0	–	–	–
100.0 60.0	0.0	10.6	5.7	–	11.3	–	5.5	–	0.0	–	–	–
100.0 70.0	0.0	13.7	15.7	–	–	–	10.2	–	6.1	–	–	–

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	80.0	8.7	41.7	5.6	-	10.0	-	0.0	-	0.0	-	-	-
100.0	90.0	0.0	0.0	17.4	-	15.5	-	0.0	-	0.0	-	-	-
100.0	100.0	-	-	-	-	27.2	-	-	-	0.0	-	-	-
103.0	35.0	3.2	-	11.0	-	13.3	-	0.0	-	0.0	-	-	-
103.0	40.0	0.0	-	11.1	-	10.5	-	0.0	-	0.0	-	-	-
103.0	45.0	0.0	-	15.3	-	84.2	-	0.0	-	26.0	-	-	-
103.0	50.0	0.0	19.0	14.9	-	10.5	-	0.0	-	0.0	-	-	-
103.0	60.0	0.0	9.3	32.5	-	-	-	0.0	-	0.0	-	-	-
103.0	70.0	14.8	21.5	0.0	-	-	-	2.7	-	0.0	-	-	-
103.0	80.0	5.6	14.2	10.2	-	-	-	0.0	-	0.0	-	-	-
107.0	31.0	0.0	0.0	37.7	-	0.0	-	-	0.0	0.0	-	-	-
107.0	32.0	5.6	4.2	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	35.0	0.0	0.0	49.4	-	11.0	-	0.0	0.0	0.0	-	-	-
107.0	40.0	5.4	10.7	10.8	-	8.2	-	0.0	-	6.8	-	-	-
107.0	45.0	15.6	9.5	11.1	-	0.0	-	-	-	0.0	-	-	-
107.0	50.0	11.5	4.7	59.9	-	11.2	-	0.0	-	11.0	-	-	-
107.0	60.0	11.1	0.0	5.5	-	-	-	0.0	-	0.0	-	-	-
107.0	70.0	-	36.9	10.9	-	-	-	0.0	-	0.0	-	-	-
107.0	80.0	-	21.4	5.4	-	-	-	5.9	-	0.0	-	-	-
107.0	90.0	-	-	-	-	-	-	5.4	-	0.0	-	-	-
110.0	35.0	0.0	11.5	0.0	-	0.0	-	10.9	9.9	0.0	-	-	-
110.0	40.0	4.9	28.5	10.2	-	0.0	-	11.4	15.8	0.0	-	-	-
110.0	45.0	21.0	26.9	20.2	-	22.2	-	0.0	-	0.0	-	-	-
110.0	50.0	5.4	11.1	5.3	-	0.0	-	16.2	0.0	0.0	-	-	-
110.0	60.0	0.0	11.4	25.9	-	-	-	0.0	-	48.2	-	-	-
110.0	70.0	-	10.5	21.9	-	-	-	0.0	-	0.0	-	-	-
110.0	80.0	-	10.0	5.2	-	-	-	5.4	-	0.0	-	-	-
113.0	35.0	20.6	0.0	10.2	-	11.4	-	-	-	0.0	-	-	-
113.0	40.0	0.0	0.0	5.3	-	11.6	-	-	0.0	0.0	-	-	-
113.0	45.0	0.0	4.2	15.8	-	0.0	-	-	0.0	5.9	-	-	-
113.0	50.0	9.2	10.7	5.3	-	0.0	-	10.8	5.5	0.0	-	-	-
113.0	60.0	5.3	8.8	26.5	-	-	-	0.0	0.0	0.0	-	-	-
113.0	70.0	-	0.0	32.5	-	-	-	0.0	-	0.0	-	-	-
113.0	80.0	-	3.9	32.2	-	-	-	5.1	-	5.8	-	-	-
113.0	90.0	-	-	-	-	-	-	-	5.1	0.0	-	-	-
117.0	40.0	-	0.0	5.8	-	-	-	-	0.0	0.0	-	-	-
117.0	45.0	-	0.0	5.7	-	-	-	-	0.0	5.3	-	-	-
117.0	50.0	-	4.0	0.0	-	-	-	-	10.9	0.0	-	-	-
117.0	60.0	-	4.5	6.0	-	-	-	-	0.0	5.7	-	-	-
117.0	70.0	-	7.8	5.1	-	-	-	-	0.0	0.0	-	-	-
117.0	80.0	-	0.0	11.5	-	-	-	-	0.0	0.0	-	-	-
120.0	45.0	-	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-
120.0	50.0	-	31.2	-	0.0	-	-	-	19.6	18.3	-	-	-
120.0	60.0	-	5.2	-	0.0	-	-	-	5.6	0.0	-	-	-
120.0	70.0	-	0.0	-	4.9	-	-	-	5.6	0.0	-	-	-
123.0	50.0	-	0.0	-	4.9	-	-	-	11.1	0.0	-	-	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
127.0	45.0	-	0.0	-	0.0	-	-	-	0.0	5.3	-	-	-
127.0	50.0	-	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-
127.0	60.0	-	0.0	-	-	-	-	-	0.0	6.2	-	-	-
130.0	50.0	-	5.1	-	0.0	-	-	-	11.6	0.0	-	-	-
133.0	40.0	-	0.0	-	0.0	-	-	-	6.2	0.0	-	-	-
133.0	50.0	-	0.0	-	0.0	-	-	-	5.9	6.0	-	-	-
133.0	60.0	-	0.0	-	0.0	-	-	-	0.0	5.9	-	-	-

Symbolophorus californiensis

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	-	0.0	-	0.0	0.0	0.0	-	0.0	13.0	-	-	-
60.0	90.0	-	-	-	-	-	0.0	-	4.6	5.7	-	-	-
63.0	70.0	-	0.0	-	0.0	-	0.0	-	0.0	11.3	-	-	-
63.0	90.0	-	-	-	-	-	0.0	-	0.0	5.6	-	-	-
67.0	80.0	-	0.0	-	16.5	-	12.2	-	0.0	-	-	-	-
67.0	90.0	-	0.0	-	0.0	-	0.0	-	0.0	5.5	-	-	-
70.0	60.0	-	0.0	-	0.0	0.0	0.0	-	0.0	10.5	-	-	-
70.0	70.0	-	0.0	-	0.0	0.0	39.7	-	0.0	11.2	-	-	-
70.0	80.0	-	0.0	-	0.0	-	21.6	-	0.0	0.0	-	-	-
70.0	90.0	-	0.0	-	0.0	-	17.3	-	0.0	10.6	-	-	-
73.0	53.0	-	0.0	-	0.0	0.0	0.0	-	37.3	0.0	-	-	-
73.0	60.0	-	0.0	-	0.0	0.0	36.8	-	22.2	9.7	-	-	-
73.0	65.0	-	0.0	-	0.0	0.0	-	-	25.7	0.0	-	-	-
73.0	70.0	-	0.0	-	0.0	10.4	0.0	-	34.7	11.2	-	-	-
73.0	80.0	-	0.0	-	0.0	-	12.1	-	15.3	0.0	-	-	-
73.0	90.0	-	0.0	-	5.0	-	0.0	-	14.7	0.0	-	-	-
77.0	60.0	-	0.0	-	0.0	0.0	0.0	-	19.6	0.0	-	-	-
77.0	70.0	-	0.0	-	0.0	0.0	0.0	-	10.6	0.0	-	-	-
77.0	90.0	-	5.4	-	0.0	-	6.0	-	82.2	10.8	-	-	-
80.0	80.0	-	0.0	-	0.0	-	0.0	-	0.0	11.7	-	-	-
80.0	90.0	-	0.0	-	0.0	-	14.7	-	10.2	0.0	-	-	-
83.0	70.0	0.0	0.0	-	0.0	0.0	10.3	-	11.9	0.0	-	-	-
83.0	80.0	0.0	0.0	-	0.0	-	5.1	-	0.0	0.0	-	-	-
83.0	90.0	-	0.0	-	0.0	-	0.0	-	0.0	23.1	-	-	-
87.0	35.0	0.0	0.0	-	12.7	0.0	0.0	-	0.0	0.0	-	-	-
87.0	55.0	0.0	0.0	6.0	-	23.9	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	0.0	-	0.0	5.1	-	0.0	10.8	-	-	-
87.0	80.0	0.0	0.0	0.0	-	-	10.0	-	0.0	5.6	-	-	-
87.0	90.0	-	0.0	6.0	-	-	0.0	-	0.0	11.0	-	-	-
90.0	53.0	0.0	0.0	0.0	-	5.3	0.0	0.0	-	0.0	-	-	-
90.0	60.0	5.1	11.0	0.0	-	4.8	0.0	5.4	-	0.0	-	-	-
90.0	70.0	0.0	0.0	11.7	-	9.1	5.2	0.0	-	0.0	-	-	-
90.0	80.0	0.0	0.0	11.6	-	0.0	0.0	0.0	-	5.4	-	-	-
90.0	90.0	-	0.0	0.0	-	0.0	0.0	5.4	-	0.0	-	-	-

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 100.0	-	0.0	0.0	-	5.0	-	10.7	-	10.3	-	-	-
90.0 110.0	-	-	-	-	36.5	-	5.5	-	5.3	-	-	-
90.0 120.0	-	-	-	-	35.6	-	0.0	-	42.6	-	-	-
90.0 130.0	-	-	-	-	15.0	-	5.6	-	10.8	-	-	-
90.0 140.0	-	-	-	-	10.4	-	0.0	-	10.7	-	-	-
90.0 150.0	-	-	-	-	10.5	-	5.3	-	0.0	-	-	-
93.0 50.0	0.0	4.9	18.4	16.3	-	0.0	0.0	-	0.0	-	-	-
93.0 55.0	0.0	0.0	0.0	15.6	-	9.5	40.3	-	0.0	-	-	-
93.0 60.0	0.0	0.0	5.4	0.0	-	21.3	5.3	-	0.0	-	-	-
93.0 70.0	0.0	3.9	16.4	10.1	-	19.6	0.0	-	0.0	-	-	-
93.0 80.0	0.0	4.6	0.0	-	23.4	51.5	10.1	-	29.8	-	-	-
93.0 90.0	-	0.0	0.0	-	0.0	0.0	5.1	-	5.4	-	-	-
93.0 100.0	-	11.2	11.0	-	0.0	-	5.2	-	16.7	-	-	-
93.0 120.0	-	-	-	-	0.0	-	5.2	-	10.7	-	-	-
93.0 130.0	-	-	-	-	0.0	-	0.0	-	5.5	-	-	-
97.0 35.0	0.0	0.0	0.0	-	9.0	-	0.0	-	0.0	-	-	-
97.0 45.0	0.0	0.0	12.0	-	18.4	-	0.0	-	0.0	-	-	-
97.0 50.0	0.0	0.0	17.8	-	5.1	-	0.0	-	0.0	-	-	-
97.0 55.0	0.0	4.8	32.8	-	10.7	-	5.7	-	0.0	-	-	-
97.0 60.0	0.0	0.0	30.2	-	16.8	-	4.5	-	11.9	-	-	-
97.0 70.0	-	25.0	0.0	-	58.9	-	14.9	-	0.0	-	-	-
97.0 80.0	-	15.2	0.0	-	24.2	15.0	-	-	0.0	-	-	-
97.0 90.0	-	9.7	10.8	-	5.3	5.0	-	-	0.0	-	-	-
97.0 100.0	-	-	-	-	4.7	-	-	-	0.0	-	-	-
100.0 40.0	0.0	4.8	5.4	-	0.0	-	0.0	-	0.0	-	-	-
100.0 50.0	0.0	0.0	14.8	-	0.0	-	0.0	-	0.0	-	-	-
100.0 60.0	0.0	10.6	5.7	-	17.0	-	11.0	-	0.0	-	-	-
100.0 70.0	5.1	45.7	5.2	-	-	-	5.1	-	0.0	-	-	-
100.0 80.0	0.0	13.9	11.2	-	15.0	-	5.2	-	5.6	-	-	-
100.0 90.0	7.8	0.0	23.2	-	31.0	-	0.0	-	0.0	-	-	-
100.0 100.0	-	-	-	-	4.5	-	-	-	0.0	-	-	-
103.0 40.0	0.0	-	0.0	-	10.5	-	13.5	-	0.0	-	-	-
103.0 50.0	12.9	0.0	0.0	-	10.5	-	4.9	-	0.0	-	-	-
103.0 60.0	0.0	14.0	0.0	-	-	-	0.0	-	0.0	-	-	-
103.0 70.0	0.0	25.8	15.2	-	-	-	0.0	-	0.0	-	-	-
103.0 80.0	5.6	42.7	5.1	-	-	-	0.0	-	0.0	-	-	-
107.0 35.0	0.0	0.0	5.5	-	11.0	-	0.0	0.0	10.4	-	-	-
107.0 45.0	0.0	4.8	5.5	-	0.0	-	-	-	0.0	-	-	-
107.0 50.0	11.5	4.7	39.9	-	0.0	-	0.0	-	0.0	-	-	-
107.0 60.0	0.0	0.0	5.5	-	-	-	0.0	-	0.0	-	-	-
107.0 70.0	-	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-
107.0 80.0	-	0.0	32.2	-	-	-	0.0	-	0.0	-	-	-
110.0 35.0	0.0	0.0	5.3	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0 45.0	0.0	0.0	0.0	-	11.1	-	0.0	-	0.0	-	-	-
110.0 60.0	0.0	5.7	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0 70.0	-	0.0	5.5	-	-	-	0.0	-	11.8	-	-	-

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	80.0	–	5.0	0.0	–	–	–	0.0	–	0.0	–	–	–
113.0	35.0	0.0	0.0	10.2	–	0.0	–	–	–	0.0	–	–	–
113.0	40.0	0.0	0.0	5.3	–	0.0	–	–	5.6	0.0	–	–	–
113.0	50.0	0.0	0.0	0.0	–	0.0	–	10.8	0.0	0.0	–	–	–
113.0	70.0	–	0.0	5.4	–	–	–	0.0	–	6.0	–	–	–
113.0	80.0	–	0.0	0.0	–	–	–	0.0	–	5.8	–	–	–
117.0	60.0	–	4.5	0.0	–	–	–	–	0.0	0.0	–	–	–
117.0	70.0	–	0.0	5.1	–	–	–	–	0.0	0.0	–	–	–
120.0	60.0	–	0.0	–	0.0	–	–	–	11.3	0.0	–	–	–
127.0	60.0	–	0.0	–	–	–	–	–	0.0	6.2	–	–	–

Tarletonbeania crenularis

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	–	0.0	–	0.0	0.0	0.0	–	0.0	13.0	–	–	–
60.0	60.0	–	0.0	–	0.0	0.0	0.0	–	43.2	22.2	–	–	–
60.0	65.0	–	0.0	–	–	–	–	–	10.9	32.2	–	–	–
60.0	70.0	–	0.0	–	0.0	–	0.0	–	22.6	34.8	–	–	–
60.0	80.0	–	11.5	–	–	–	0.0	–	0.0	10.9	–	–	–
60.0	90.0	–	–	–	–	–	0.0	–	4.6	0.0	–	–	–
63.0	52.0	–	0.0	–	0.0	0.0	0.0	–	0.0	11.0	–	–	–
63.0	55.0	–	11.1	–	0.0	0.0	0.0	–	10.6	0.0	–	–	–
63.0	60.0	–	0.0	–	0.0	0.0	0.0	–	10.6	10.9	–	–	–
63.0	65.0	–	10.7	–	0.0	–	–	–	25.0	11.1	–	–	–
63.0	70.0	–	24.4	–	0.0	–	0.0	–	11.3	22.6	–	–	–
63.0	80.0	–	0.0	–	–	–	0.0	–	10.3	–	–	–	–
63.0	90.0	–	–	–	–	–	0.0	–	5.4	0.0	–	–	–
66.0	49.0	–	0.0	–	0.0	0.0	–	–	0.0	9.7	–	–	–
67.0	50.0	–	0.0	–	0.0	0.0	0.0	–	33.7	0.0	–	–	–
67.0	55.0	–	0.0	–	13.1	0.0	0.0	–	0.0	10.3	–	–	–
67.0	60.0	–	0.0	–	0.0	0.0	0.0	–	11.6	9.9	–	–	–
67.0	65.0	–	0.0	–	0.0	–	–	–	22.2	11.7	–	–	–
67.0	70.0	–	0.0	–	0.0	–	0.0	–	0.0	76.9	–	–	–
67.0	80.0	–	0.0	–	0.0	–	0.0	–	11.9	–	–	–	–
70.0	51.0	–	0.0	–	0.0	0.0	0.0	–	10.5	0.0	–	–	–
70.0	53.0	–	0.0	–	0.0	0.0	0.0	–	20.1	0.0	–	–	–
70.0	65.0	–	0.0	–	0.0	0.0	–	–	9.7	0.0	–	–	–
70.0	70.0	–	11.9	–	10.5	0.0	0.0	–	0.0	11.2	–	–	–
70.0	80.0	–	12.2	–	0.0	–	0.0	–	11.3	0.0	–	–	–
73.0	50.0	–	0.0	–	0.0	9.5	0.0	–	21.6	0.0	–	–	–
73.0	53.0	–	0.0	–	0.0	20.4	12.0	–	24.9	0.0	–	–	–
73.0	60.0	–	10.8	–	0.0	0.0	0.0	–	0.0	19.3	–	–	–
73.0	70.0	–	8.6	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
73.0	80.0	–	0.0	–	0.0	–	0.0	–	0.0	22.0	–	–	–
73.0	90.0	–	0.0	–	5.0	–	0.0	–	0.0	0.0	–	–	–

TABLE 4. (cont.)

Tarletonbeania crenularis (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
77.0	55.0	-	0.0	-	0.0	0.0	25.0	-	11.3	0.0	-	-	-
77.0	60.0	-	0.0	-	0.0	0.0	0.0	-	19.6	22.9	-	-	-
77.0	65.0	-	0.0	-	11.0	0.0	-	-	0.0	10.5	-	-	-
77.0	70.0	-	0.0	-	0.0	0.0	0.0	-	0.0	10.9	-	-	-
77.0	80.0	-	0.0	-	11.1	-	0.0	-	0.0	0.0	-	-	-
80.0	70.0	-	0.0	-	0.0	0.0	0.0	-	10.9	0.0	-	-	-
80.0	80.0	-	0.0	-	0.0	-	0.0	-	22.8	11.7	-	-	-
80.0	90.0	-	0.0	-	0.0	-	0.0	-	0.0	22.8	-	-	-
83.0	80.0	0.0	0.0	-	0.0	-	0.0	-	0.0	23.6	-	-	-
83.0	90.0	-	0.0	-	0.0	-	0.0	-	18.4	0.0	-	-	-
87.0	55.0	0.0	0.0	0.0	-	0.0	0.0	-	9.6	0.0	-	-	-
87.0	60.0	0.0	0.0	24.2	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	60.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	11.5	-	-	-
90.0	80.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	5.4	-	-	-
90.0	100.0	-	0.0	0.0	-	0.0	-	0.0	-	5.2	-	-	-
90.0	110.0	-	-	-	-	0.0	-	0.0	-	5.3	-	-	-
93.0	50.0	0.0	0.0	0.0	0.0	-	0.0	11.1	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	0.0	-	0.0	5.3	-	5.2	-	-	-
93.0	70.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	5.4	-	-	-
97.0	60.0	0.0	0.0	0.0	-	0.0	-	0.0	-	11.9	-	-	-

Synodus spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	52.0	-	6.2	-	0.0	0.0	-	-	0.0	0.0	-	-	-
82.0	47.0	-	0.0	-	0.0	0.0	-	-	0.0	11.8	-	-	-
87.0	32.5	0.0	3.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	33.0	11.1	4.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
93.0	26.9	0.0	4.9	0.0	0.0	-	0.0	-	0.0	-	-	-	-
103.0	80.0	2.8	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	31.0	9.0	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	-
107.0	32.0	11.2	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	35.0	5.4	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	32.4	4.4	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
113.0	35.0	25.7	0.0	0.0	-	0.0	-	-	-	0.0	-	-	-
117.0	25.0	-	0.0	-	-	-	-	-	0.0	5.7	-	-	-
117.0	40.0	-	4.3	0.0	-	-	-	-	0.0	0.0	-	-	-
120.0	25.0	-	0.0	-	0.0	-	-	-	0.0	5.4	-	-	-
130.0	28.0	-	0.0	-	0.0	-	-	-	0.0	4.7	-	-	-
133.0	23.0	-	10.1	-	0.0	-	-	-	0.0	6.1	-	-	-
133.0	25.0	-	5.2	-	0.0	-	-	-	0.0	0.0	-	-	-
133.0	30.0	-	0.0	-	0.0	-	-	-	0.0	5.2	-	-	-
137.0	30.0	-	11.0	-	0.0	-	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Merluccius productus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	-	-	-	0.0	10.7	0.0	-	0.0	0.0	-	-	-
60.0	55.0	-	0.0	-	11.0	0.0	0.0	-	0.0	0.0	-	-	-
60.0	60.0	-	21.4	-	11.0	0.0	0.0	-	0.0	0.0	-	-	-
60.0	65.0	-	1973.5	-	-	-	-	-	0.0	0.0	-	-	-
63.0	50.0	-	0.0	-	10.8	9.0	-	-	0.0	0.0	-	-	-
63.0	52.0	-	0.0	-	93.8	9.5	0.0	-	0.0	0.0	-	-	-
63.0	55.0	-	3288.2	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	60.0	-	176.6	-	10.2	0.0	0.0	-	0.0	0.0	-	-	-
63.0	65.0	-	277.5	-	0.0	-	-	-	0.0	0.0	-	-	-
63.0	70.0	-	0.0	-	11.5	-	0.0	-	0.0	0.0	-	-	-
66.0	49.0	-	0.0	-	14.5	0.0	-	-	0.0	0.0	-	-	-
67.0	50.0	-	0.0	-	25.7	0.0	0.0	-	0.0	0.0	-	-	-
67.0	55.0	-	9.9	-	65.7	0.0	0.0	-	0.0	0.0	-	-	-
67.0	60.0	-	0.0	-	44.0	44.2	0.0	-	0.0	0.0	-	-	-
67.0	65.0	-	90.0	-	132.2	-	-	-	0.0	0.0	-	-	-
67.0	70.0	-	188.0	-	69.9	-	0.0	-	11.5	0.0	-	-	-
70.0	51.0	-	9.4	-	10.8	0.0	23.2	-	0.0	0.0	-	-	-
70.0	53.0	-	10.1	-	120.8	0.0	24.5	-	0.0	0.0	-	-	-
70.0	60.0	-	31.2	-	64.7	23.0	12.4	-	0.0	0.0	-	-	-
70.0	65.0	-	174.4	-	20.7	0.0	-	-	9.7	0.0	-	-	-
70.0	70.0	-	202.3	-	52.6	0.0	0.0	-	0.0	0.0	-	-	-
70.0	90.0	-	0.0	-	77.7	-	0.0	-	0.0	0.0	-	-	-
73.0	50.0	-	73.6	-	265.8	0.0	60.0	-	0.0	0.0	-	-	-
73.0	53.0	-	6273.7	-	241.9	0.0	12.0	-	0.0	0.0	-	-	-
73.0	60.0	-	1483.5	-	2145.9	464.9	0.0	-	0.0	0.0	-	-	-
73.0	65.0	-	22.0	-	796.6	0.0	-	-	0.0	0.0	-	-	-
73.0	70.0	-	17.1	-	0.0	0.0	116.1	-	0.0	0.0	-	-	-
73.0	80.0	-	0.0	-	10.7	-	0.0	-	0.0	0.0	-	-	-
73.0	90.0	-	0.0	-	1090.6	-	0.0	-	0.0	0.0	-	-	-
77.0	51.0	-	62.0	-	120.1	0.0	14.4	-	22.4	0.0	-	-	-
77.0	55.0	-	117.6	-	417.9	0.0	0.0	-	34.0	0.0	-	-	-
77.0	60.0	-	0.0	-	1457.4	10.6	13.4	-	0.0	0.0	-	-	-
77.0	65.0	-	0.0	-	779.7	11.0	-	-	0.0	0.0	-	-	-
77.0	70.0	-	0.0	-	200.5	25.1	11.9	-	0.0	0.0	-	-	-
77.0	80.0	-	0.0	-	656.2	-	0.0	-	0.0	0.0	-	-	-
77.0	90.0	-	0.0	-	38.4	-	0.0	-	0.0	0.0	-	-	-
80.0	51.0	-	46.0	-	49.6	0.0	0.0	-	0.0	0.0	-	-	-
80.0	52.0	-	123.2	-	77.7	0.0	-	-	0.0	0.0	-	-	-
80.0	55.0	-	0.0	-	299.4	0.0	0.0	-	0.0	0.0	-	-	-
80.0	60.0	-	0.0	-	2380.0	12.1	0.0	-	0.0	0.0	-	-	-
80.0	70.0	-	0.0	-	8.9	32.3	37.4	-	0.0	0.0	-	-	-
80.0	80.0	-	0.0	-	0.0	-	10.4	-	0.0	0.0	-	-	-
82.0	47.0	-	139.1	-	106.9	0.0	-	-	0.0	0.0	-	-	-
83.0	42.0	-	76.2	-	31.8	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	51.6	45.8	-	59.6	0.0	-	-	0.0	0.0	-	-	-
83.0	55.0	119.8	102.6	-	307.0	206.0	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	60.0	67.0	0.0	-	19.6	9.5	42.9	-	0.0	0.0	-	-	-
83.0	70.0	5.4	0.0	-	129.5	41.3	0.0	-	0.0	0.0	-	-	-
83.0	80.0	0.0	0.0	-	0.0	-	5.1	-	0.0	0.0	-	-	-
83.0	90.0	-	0.0	-	0.0	-	0.0	-	4.6	0.0	-	-	-
87.0	32.7	0.0	15.3	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	33.0	0.0	13.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	34.0	14.4	0.0	-	22.1	0.0	-	-	0.0	0.0	-	-	-
87.0	35.0	22.0	32.4	-	242.1	21.3	0.0	-	0.0	0.0	-	-	-
87.0	36.0	5.5	11.3	-	194.6	37.0	-	-	0.0	0.0	-	-	-
87.0	40.0	33.8	0.0	-	122.2	42.4	0.0	-	0.0	0.0	-	-	-
87.0	45.0	382.2	49.0	-	77.2	19.8	0.0	-	0.0	0.0	-	-	-
87.0	50.0	88.6	8.0	15.1	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	55.0	19.7	0.0	12.0	-	59.7	24.7	-	9.6	0.0	-	-	-
87.0	60.0	0.0	0.0	36.3	-	181.1	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	57.6	350.8	-	27.0	5.1	-	0.0	0.0	-	-	-
87.0	80.0	0.0	0.0	79.5	-	-	10.0	-	0.0	0.0	-	-	-
90.0	28.0	0.0	0.0	44.1	-	20.9	9.0	-	0.0	0.0	-	-	-
90.0	29.0	0.0	0.0	83.4	-	19.3	0.0	-	0.0	0.0	-	-	-
90.0	30.0	0.0	0.0	21.9	-	21.5	32.1	-	0.0	0.0	-	-	-
90.0	31.0	0.0	0.0	49.8	-	50.8	0.0	-	0.0	0.0	-	-	-
90.0	33.0	21.2	270.9	296.7	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	37.0	9.9	10.5	331.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	45.0	22.4	101.0	89.4	-	236.7	0.0	0.0	-	-	-	-	-
90.0	53.0	0.0	10.0	60.1	-	5.3	0.0	0.0	-	0.0	-	-	-
90.0	60.0	0.0	0.0	147.5	-	4.8	0.0	0.0	-	0.0	-	-	-
90.0	70.0	0.0	0.0	656.3	-	0.0	0.0	7.8	-	0.0	-	-	-
90.0	80.0	0.0	0.0	58.2	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	90.0	-	5.6	76.8	-	10.4	0.0	0.0	-	0.0	-	-	-
93.0	26.9	0.0	0.0	10.9	0.0	-	0.0	-	0.0	-	-	-	-
93.0	28.0	0.0	12.2	11.8	11.0	-	0.0	0.0	-	0.0	-	-	-
93.0	29.0	0.0	0.0	12.0	27.8	-	-	0.0	-	0.0	-	-	-
93.0	30.0	0.0	0.0	12.7	18.0	-	0.0	0.0	-	0.0	-	-	-
93.0	35.0	0.0	109.8	245.1	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	40.0	0.0	15.9	225.6	12.0	-	0.0	0.0	-	0.0	-	-	-
93.0	45.0	0.0	0.0	209.0	123.3	-	0.0	0.0	-	0.0	-	-	-
93.0	50.0	0.0	0.0	0.0	38.1	-	0.0	0.0	-	0.0	-	-	-
93.0	55.0	0.0	0.0	0.0	20.8	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	5.3	-	0.0	0.0	-	0.0	-	-	-
93.0	80.0	0.0	0.0	545.2	-	0.0	0.0	0.0	-	0.0	-	-	-
93.0	90.0	-	0.0	82.5	-	0.0	0.0	0.0	-	0.0	-	-	-
93.0	100.0	-	0.0	5.5	-	0.0	-	0.0	-	0.0	-	-	-
97.0	32.0	0.0	0.0	5.8	-	0.0	-	6.2	-	0.0	-	-	-
97.0	35.0	0.0	0.0	11.3	-	9.0	-	0.0	-	0.0	-	-	-
97.0	40.0	0.0	65.9	308.7	-	68.4	-	10.6	-	0.0	-	-	-
97.0	45.0	0.0	0.0	360.0	-	46.0	-	0.0	-	0.0	-	-	-
97.0	50.0	0.0	0.0	11.8	-	10.1	-	6.1	-	0.0	-	-	-

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	80.0	–	0.0	0.0	–	0.0	0.0	–	–	6.2	–	–	–
97.0	90.0	–	0.0	497.7	–	0.0	0.0	–	–	0.0	–	–	–
100.0	30.0	0.0	0.0	0.0	–	9.1	–	0.0	–	0.0	–	–	–
100.0	35.0	0.0	0.0	0.0	–	42.3	–	0.0	–	0.0	–	–	–
100.0	45.0	0.0	0.0	5.3	–	10.4	–	0.0	–	0.0	–	–	–
103.0	60.0	0.0	0.0	10.8	–	–	–	0.0	–	0.0	–	–	–
103.0	70.0	0.0	0.0	0.0	–	–	–	5.7	–	0.0	–	–	–
107.0	32.0	0.0	0.0	11.0	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0	32.4	0.0	0.0	0.0	–	39.5	–	0.0	0.0	0.0	–	–	–
110.0	35.0	0.0	0.0	0.0	–	11.3	–	0.0	0.0	0.0	–	–	–
113.0	35.0	0.0	0.0	0.0	–	11.4	–	–	–	0.0	–	–	–
117.0	30.0	–	0.0	46.5	–	–	–	–	0.0	0.0	–	–	–
117.0	45.0	–	0.0	5.7	–	–	–	–	0.0	0.0	–	–	–
123.0	37.0	–	0.0	–	4.6	–	–	–	0.0	0.0	–	–	–
130.0	30.0	–	0.0	–	13.9	–	–	–	0.0	0.0	–	–	–
130.0	35.0	–	31.6	–	15.9	–	–	–	0.0	0.0	–	–	–
130.0	40.0	–	0.0	–	10.7	–	–	–	–	0.0	–	–	–
130.0	50.0	–	0.0	–	27.4	–	–	–	0.0	0.0	–	–	–
133.0	23.0	–	0.0	–	9.8	–	–	–	0.0	0.0	–	–	–
133.0	25.0	–	0.0	–	13.8	–	–	–	0.0	0.0	–	–	–
133.0	30.0	–	0.0	–	127.9	–	–	–	0.0	0.0	–	–	–
133.0	35.0	–	121.7	–	215.7	–	–	–	0.0	0.0	–	–	–
137.0	30.0	–	16.5	–	52.3	–	–	–	0.0	0.0	–	–	–
137.0	35.0	–	85.8	–	110.5	–	–	–	0.0	0.0	–	–	–
137.0	40.0	–	0.0	–	5.2	–	–	–	0.0	0.0	–	–	–
137.0	60.0	–	5.6	–	0.0	–	–	–	0.0	–	–	–	–

Moridae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	110.0	–	–	–	–	0.0	–	0.0	–	5.4	–	–	–

Macrouridae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	65.0	–	10.0	–	–	–	–	–	0.0	0.0	–	–	–
73.0	70.0	–	0.0	–	8.1	0.0	0.0	–	0.0	0.0	–	–	–
83.0	55.0	0.0	0.0	–	0.0	11.4	–	–	0.0	0.0	–	–	–
90.0	190.0	–	–	–	–	0.0	–	5.7	–	–	–	–	–
107.0	50.0	0.0	0.0	10.0	–	0.0	–	0.0	–	0.0	–	–	–
113.0	90.0	–	–	–	–	–	–	–	0.0	5.9	–	–	–

TABLE 4. (cont.)

Ophidiiformes

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	65.0	–	0.0	–	0.0	0.0	–	–	9.7	0.0	–	–	–
73.0	50.0	–	0.0	–	0.0	0.0	10.0	–	0.0	0.0	–	–	–
73.0	53.0	–	0.0	–	0.0	0.0	12.0	–	0.0	0.0	–	–	–
77.0	51.0	–	0.0	–	0.0	0.0	0.0	–	22.4	0.0	–	–	–
77.0	70.0	–	0.0	–	0.0	0.0	11.9	–	0.0	0.0	–	–	–
80.0	51.0	–	0.0	–	0.0	0.0	10.4	–	0.0	0.0	–	–	–
80.0	55.0	–	0.0	–	0.0	0.0	13.2	–	0.0	0.0	–	–	–
83.0	42.0	–	0.0	–	0.0	0.0	9.3	–	0.0	0.0	–	–	–
83.0	90.0	–	0.0	–	0.0	–	0.0	–	4.6	0.0	–	–	–
87.0	33.0	0.0	0.0	–	5.4	0.0	0.0	–	0.0	0.0	–	–	–
87.0	55.0	0.0	0.0	0.0	–	0.0	12.4	–	0.0	0.0	–	–	–
87.0	60.0	0.0	0.0	0.0	–	0.0	10.6	–	10.7	0.0	–	–	–
90.0	53.0	0.0	0.0	0.0	–	0.0	12.3	0.0	–	0.0	–	–	–
90.0	60.0	0.0	0.0	0.0	–	0.0	5.4	0.0	–	0.0	–	–	–
97.0	50.0	0.0	0.0	0.0	–	0.0	–	6.1	–	0.0	–	–	–
97.0	55.0	0.0	0.0	0.0	–	5.3	–	0.0	–	0.0	–	–	–
120.0	40.0	–	0.0	–	0.0	–	–	–	0.0	4.6	–	–	–

Brosmophycis marginata

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	52.0	–	0.0	–	0.0	9.5	0.0	–	0.0	0.0	–	–	–
67.0	50.0	–	0.0	–	0.0	0.0	0.0	–	11.2	0.0	–	–	–
67.0	60.0	–	0.0	–	0.0	0.0	11.8	–	0.0	0.0	–	–	–
70.0	53.0	–	0.0	–	0.0	0.0	12.2	–	0.0	0.0	–	–	–
80.0	80.0	–	0.0	–	0.0	–	0.0	–	11.4	0.0	–	–	–
83.0	40.6	–	0.0	–	–	0.0	7.0	–	0.0	0.0	–	–	–
83.0	51.0	0.0	0.0	–	0.0	11.6	–	–	0.0	0.0	–	–	–
87.0	50.0	0.0	0.0	0.0	–	9.4	8.0	–	0.0	0.0	–	–	–
93.5	29.0	–	–	–	–	–	–	0.0	10.2	–	–	–	–
110.0	32.4	0.0	0.0	0.0	–	0.0	–	0.0	0.0	9.0	–	–	–

Chilara taylori

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	42.0	–	0.0	–	5.3	0.0	0.0	–	0.0	0.0	–	–	–
113.0	35.0	0.0	0.0	0.0	–	0.0	–	–	–	17.5	–	–	–
117.0	40.0	–	0.0	0.0	–	–	–	–	0.0	11.8	–	–	–
130.0	40.0	–	0.0	–	0.0	–	–	–	–	6.4	–	–	–

TABLE 4. (cont.)

Ophidion scrippsae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0 32.7	0.0	0.0	–	0.0	0.0	0.0	–	0.0	4.7	–	–	–
118.0 39.0	–	0.0	0.0	–	–	–	–	0.0	6.2	–	–	–
120.0 25.0	–	0.0	–	0.0	–	–	–	0.0	5.4	–	–	–
133.0 23.0	–	10.1	–	0.0	–	–	–	0.0	6.1	–	–	–
133.0 25.0	–	0.0	–	0.0	–	–	–	0.0	5.2	–	–	–

Porichthys spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
137.0 22.0	–	4.4	–	0.0	–	–	–	0.0	–	–	–	–

Ceratioidei

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 120.0	–	–	–	–	0.0	–	0.0	–	5.3	–	–	–
90.0 140.0	–	–	–	–	0.0	–	5.4	–	0.0	–	–	–
90.0 150.0	–	–	–	–	0.0	–	0.0	–	10.5	–	–	–
93.0 120.0	–	–	–	–	0.0	–	0.0	–	5.3	–	–	–

Gobiesocidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0 40.0	–	0.0	–	0.0	–	–	–	15.1	0.0	–	–	–
127.0 33.0	–	0.0	–	0.0	–	–	–	0.0	882.9	–	–	–
137.0 22.0	–	4.4	–	0.0	–	–	–	0.0	–	–	–	–

Exocoetidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0 70.0	–	0.0	–	0.0	–	–	–	5.6	0.0	–	–	–

Cololabis saira

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0 52.5	–	–	–	0.0	0.0	0.0	–	0.0	10.8	–	–	–
93.0 60.0	0.0	0.0	0.0	0.0	–	5.3	0.0	–	0.0	–	–	–
97.0 60.0	0.0	0.0	0.0	–	0.0	–	10.7	–	0.0	–	–	–
97.0 80.0	–	0.0	0.0	–	4.8	0.0	–	–	0.0	–	–	–
100.0 40.0	0.0	0.0	0.0	–	0.0	–	0.0	–	11.3	–	–	–
107.0 32.0	0.0	0.0	0.0	–	0.0	–	0.0	0.0	23.3	–	–	–
113.0 45.0	0.0	4.2	0.0	–	0.0	–	–	0.0	0.0	–	–	–

TABLE 4. (cont.)

Cololabis saira (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0 50.0	0.0	0.0	5.3	–	0.0	–	0.0	0.0	0.0	–	–	–
113.0 60.0	0.0	4.4	0.0	–	–	–	0.0	0.0	0.0	–	–	–
117.0 80.0	–	0.0	11.5	–	–	–	–	0.0	0.0	–	–	–

Atherinidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
77.0 48.0	–	0.0	–	0.0	4.5	–	–	0.0	–	–	–	–
83.0 55.0	0.0	0.0	–	0.0	11.4	–	–	0.0	0.0	–	–	–
87.0 32.7	0.0	0.0	–	0.0	4.3	0.0	–	0.0	0.0	–	–	–
87.0 33.0	0.0	0.0	–	0.0	0.0	0.0	–	4.9	0.0	–	–	–
90.0 27.6	0.0	4.5	0.0	–	0.0	0.0	–	0.0	0.0	–	–	–
97.0 29.0	0.0	0.0	0.0	–	0.0	–	8.2	–	0.0	–	–	–
97.0 30.0	0.0	0.0	5.1	–	0.0	–	4.0	–	0.0	–	–	–
97.0 32.0	0.0	0.0	5.8	–	0.0	–	0.0	–	0.0	–	–	–
103.0 29.0	0.0	4.1	0.0	–	0.0	–	0.0	–	0.0	–	–	–
113.0 29.0	0.0	13.0	8.6	–	0.0	–	–	0.0	0.0	–	–	–
120.0 24.0	–	19.8	–	0.0	–	–	–	0.0	0.0	–	–	–

Trachipteridae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0 65.0	–	0.0	–	0.0	0.0	–	–	5.1	0.0	–	–	–
77.0 70.0	–	0.0	–	0.0	0.0	11.9	–	0.0	0.0	–	–	–
80.0 90.0	–	0.0	–	0.0	–	0.0	–	5.1	0.0	–	–	–
87.0 70.0	0.0	0.0	0.0	–	5.4	0.0	–	0.0	0.0	–	–	–
90.0 60.0	0.0	0.0	0.0	–	0.0	5.4	5.4	–	0.0	–	–	–
90.0 80.0	0.0	0.0	0.0	–	0.0	0.0	5.3	–	0.0	–	–	–
90.0 160.0	–	–	–	–	0.0	–	0.0	–	5.2	–	–	–
90.0 180.0	–	–	–	–	0.0	–	0.0	–	5.4	–	–	–
93.0 26.9	5.3	0.0	0.0	0.0	–	0.0	–	0.0	–	–	–	–
93.0 50.0	0.0	4.9	0.0	0.0	–	0.0	0.0	–	0.0	–	–	–
103.0 40.0	19.1	–	0.0	–	0.0	–	0.0	–	0.0	–	–	–

Eutaeniophoridae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 160.0	–	–	–	–	10.6	–	0.0	–	0.0	–	–	–
123.0 45.0	–	0.0	–	0.0	–	–	–	–	6.0	–	–	–

TABLE 4. (cont.)

Melamphaes spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0 70.0	-	0.0	-	0.0	-	0.0	-	0.0	11.6	-	-	-
60.0 80.0	-	0.0	-	-	-	0.0	-	5.3	0.0	-	-	-
60.0 90.0	-	-	-	-	-	0.0	-	4.6	5.7	-	-	-
63.0 55.0	-	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0 65.0	-	0.0	-	9.5	-	-	-	0.0	0.0	-	-	-
63.0 80.0	-	10.0	-	-	-	0.0	-	0.0	-	-	-	-
63.0 90.0	-	-	-	-	-	0.0	-	5.4	0.0	-	-	-
67.0 60.0	-	10.6	-	0.0	0.0	0.0	-	11.6	0.0	-	-	-
67.0 80.0	-	0.0	-	8.3	-	0.0	-	0.0	-	-	-	-
67.0 90.0	-	0.0	-	5.2	-	0.0	-	5.6	0.0	-	-	-
70.0 60.0	-	0.0	-	0.0	23.0	0.0	-	0.0	0.0	-	-	-
70.0 90.0	-	0.0	-	0.0	-	5.8	-	0.0	10.6	-	-	-
73.0 53.0	-	10.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0 60.0	-	10.8	-	0.0	0.0	6.1	-	0.0	0.0	-	-	-
73.0 65.0	-	0.0	-	0.0	10.7	-	-	5.1	0.0	-	-	-
73.0 70.0	-	8.6	-	8.1	10.4	0.0	-	0.0	0.0	-	-	-
73.0 80.0	-	0.0	-	0.0	-	0.0	-	5.1	0.0	-	-	-
73.0 90.0	-	0.0	-	10.0	-	5.7	-	9.8	11.0	-	-	-
77.0 60.0	-	0.0	-	24.9	0.0	0.0	-	0.0	0.0	-	-	-
77.0 65.0	-	0.0	-	0.0	0.0	-	-	0.0	10.5	-	-	-
77.0 70.0	-	0.0	-	0.0	12.5	0.0	-	10.6	0.0	-	-	-
77.0 80.0	-	0.0	-	11.1	-	11.9	-	29.6	0.0	-	-	-
77.0 90.0	-	0.0	-	11.0	-	0.0	-	0.0	5.4	-	-	-
80.0 60.0	-	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0 80.0	-	11.3	-	10.5	-	0.0	-	0.0	0.0	-	-	-
80.0 90.0	-	0.0	-	5.4	-	0.0	-	0.0	0.0	-	-	-
83.0 70.0	5.4	21.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0 80.0	0.0	5.1	-	0.0	-	5.1	-	0.0	0.0	-	-	-
83.0 90.0	-	0.0	-	0.0	-	0.0	-	4.6	0.0	-	-	-
87.0 60.0	0.0	0.0	0.0	-	11.3	0.0	-	0.0	0.0	-	-	-
87.0 70.0	6.0	0.0	11.5	-	0.0	5.1	-	5.0	0.0	-	-	-
87.0 80.0	0.0	0.0	17.0	-	-	0.0	-	5.2	5.6	-	-	-
87.0 90.0	-	0.0	0.0	-	-	0.0	-	0.0	5.5	-	-	-
90.0 53.0	0.0	5.0	6.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0 60.0	0.0	0.0	0.0	-	14.4	0.0	10.7	-	0.0	-	-	-
90.0 70.0	0.0	0.0	5.9	-	4.6	10.4	0.0	-	11.3	-	-	-
90.0 80.0	0.0	0.0	11.6	-	0.0	10.7	0.0	-	10.7	-	-	-
90.0 90.0	-	0.0	17.7	-	5.2	0.0	0.0	-	0.0	-	-	-
90.0 100.0	-	0.0	11.0	-	5.0	-	16.1	-	0.0	-	-	-
90.0 110.0	-	-	-	-	5.2	-	0.0	-	42.0	-	-	-
90.0 120.0	-	-	-	-	5.1	-	5.3	-	10.7	-	-	-
90.0 130.0	-	-	-	-	0.0	-	0.0	-	5.4	-	-	-
90.0 140.0	-	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0 150.0	-	-	-	-	0.0	-	10.7	-	0.0	-	-	-
90.0 160.0	-	-	-	-	5.3	-	0.0	-	0.0	-	-	-
90.0 170.0	-	-	-	-	0.0	-	10.2	-	-	-	-	-

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 180.0	-	-	-	-	5.5	-	15.1	-	0.0	-	-	-
90.0 190.0	-	-	-	-	0.0	-	17.0	-	-	-	-	-
90.0 200.0	-	-	-	-	0.0	-	9.9	-	-	-	-	-
93.0 35.0	0.0	0.0	10.2	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 40.0	0.0	0.0	5.6	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 45.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	10.6	-	-	-
93.0 50.0	0.0	0.0	0.0	0.0	-	19.1	0.0	-	0.0	-	-	-
93.0 55.0	0.0	5.3	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 60.0	0.0	0.0	5.4	5.3	-	5.3	0.0	-	0.0	-	-	-
93.0 70.0	0.0	0.0	10.9	0.0	-	14.7	5.6	-	0.0	-	-	-
93.0 80.0	5.4	0.0	0.0	-	0.0	15.5	15.2	-	0.0	-	-	-
93.0 90.0	-	0.0	0.0	-	0.0	0.0	10.3	-	0.0	-	-	-
93.0 100.0	-	0.0	0.0	-	0.0	-	0.0	-	11.1	-	-	-
93.0 110.0	-	-	-	-	10.3	-	5.4	-	5.4	-	-	-
93.0 120.0	-	-	-	-	0.0	-	0.0	-	5.3	-	-	-
93.0 130.0	-	-	-	-	5.4	-	0.0	-	0.0	-	-	-
93.0 150.0	-	-	-	-	15.8	-	0.0	-	0.0	-	-	-
93.0 160.0	-	-	-	-	15.4	-	0.0	-	0.0	-	-	-
93.0 180.0	-	-	-	-	5.4	-	0.0	-	0.0	-	-	-
93.0 190.0	-	-	-	-	10.6	-	0.0	-	-	-	-	-
93.0 200.0	-	-	-	-	9.9	-	10.4	-	-	-	-	-
97.0 45.0	0.0	0.0	0.0	-	9.2	-	0.0	-	0.0	-	-	-
97.0 50.0	12.3	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0 55.0	0.0	0.0	0.0	-	10.7	-	5.7	-	0.0	-	-	-
97.0 60.0	0.0	0.0	24.1	-	8.4	-	4.5	-	0.0	-	-	-
97.0 70.0	-	0.0	5.5	-	44.2	-	0.0	-	0.0	-	-	-
97.0 80.0	-	0.0	0.0	-	0.0	10.0	-	-	0.0	-	-	-
97.0 90.0	-	0.0	5.4	-	10.5	0.0	-	-	0.0	-	-	-
100.0 40.0	0.0	0.0	0.0	-	12.0	-	0.0	-	0.0	-	-	-
100.0 45.0	10.1	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0 50.0	0.0	0.0	4.9	-	0.0	-	9.7	-	0.0	-	-	-
100.0 60.0	0.0	0.0	0.0	-	0.0	-	5.5	-	0.0	-	-	-
100.0 70.0	0.0	4.6	5.2	-	-	-	15.3	-	0.0	-	-	-
100.0 80.0	2.9	0.0	5.6	-	15.0	-	5.2	-	5.6	-	-	-
100.0 90.0	0.0	0.0	5.8	-	10.3	-	0.0	-	0.0	-	-	-
100.0 100.0	-	-	-	-	4.5	-	-	-	0.0	-	-	-
103.0 45.0	0.0	-	5.1	-	0.0	-	0.0	-	0.0	-	-	-
103.0 50.0	0.0	7.6	9.9	-	0.0	-	0.0	-	0.0	-	-	-
103.0 60.0	0.0	4.7	0.0	-	-	-	5.2	-	0.0	-	-	-
103.0 70.0	0.0	0.0	0.0	-	-	-	11.4	-	0.0	-	-	-
103.0 80.0	2.8	4.7	0.0	-	-	-	2.6	-	0.0	-	-	-
107.0 35.0	0.0	0.0	0.0	-	0.0	-	10.1	0.0	0.0	-	-	-
107.0 40.0	0.0	0.0	21.6	-	0.0	-	10.5	-	0.0	-	-	-
107.0 50.0	11.5	4.7	0.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0 60.0	0.0	5.2	0.0	-	-	-	4.7	-	0.0	-	-	-
107.0 70.0	-	6.2	5.4	-	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
107.0	80.0	–	0.0	5.4	–	–	–	0.0	–	0.0	–	–	–
110.0	35.0	0.0	0.0	0.0	–	0.0	–	0.0	4.9	0.0	–	–	–
110.0	45.0	0.0	0.0	0.0	–	0.0	–	11.0	–	6.6	–	–	–
110.0	50.0	5.4	0.0	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0	60.0	0.0	0.0	0.0	–	–	–	5.2	–	0.0	–	–	–
110.0	70.0	–	5.3	5.5	–	–	–	5.3	–	5.9	–	–	–
110.0	80.0	–	5.0	0.0	–	–	–	0.0	–	0.0	–	–	–
113.0	40.0	0.0	0.0	5.3	–	0.0	–	–	0.0	0.0	–	–	–
113.0	45.0	0.0	0.0	0.0	–	13.3	–	–	0.0	0.0	–	–	–
113.0	60.0	0.0	0.0	5.3	–	–	–	16.2	0.0	0.0	–	–	–
113.0	80.0	–	3.9	0.0	–	–	–	0.0	–	5.8	–	–	–
117.0	45.0	–	0.0	0.0	–	–	–	–	0.0	5.3	–	–	–
117.0	60.0	–	9.1	0.0	–	–	–	–	0.0	0.0	–	–	–
117.0	70.0	–	0.0	0.0	–	–	–	–	0.0	5.9	–	–	–
120.0	80.0	–	0.0	–	0.0	–	–	–	11.4	0.0	–	–	–
130.0	60.0	–	4.6	–	0.0	–	–	–	0.0	0.0	–	–	–
133.0	40.0	–	5.9	–	0.0	–	–	–	0.0	0.0	–	–	–
133.0	50.0	–	10.9	–	0.0	–	–	–	17.7	0.0	–	–	–
133.0	60.0	–	5.3	–	5.2	–	–	–	0.0	0.0	–	–	–
137.0	30.0	–	0.0	–	5.2	–	–	–	0.0	0.0	–	–	–
137.0	40.0	–	4.9	–	0.0	–	–	–	0.0	0.0	–	–	–
137.0	60.0	–	5.6	–	0.0	–	–	–	0.0	–	–	–	–

Poromitra spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	70.0	–	0.0	–	0.0	0.0	0.0	–	0.0	11.2	–	–	–
70.0	80.0	–	12.2	–	0.0	–	0.0	–	0.0	0.0	–	–	–
73.0	80.0	–	0.0	–	0.0	–	0.0	–	5.1	0.0	–	–	–
73.0	90.0	–	0.0	–	0.0	–	11.5	–	0.0	0.0	–	–	–
77.0	60.0	–	0.0	–	0.0	0.0	0.0	–	9.8	0.0	–	–	–
77.0	90.0	–	0.0	–	0.0	–	0.0	–	5.5	5.4	–	–	–
90.0	30.0	0.0	0.0	0.0	–	0.0	0.0	–	12.0	0.0	–	–	–
90.0	150.0	–	–	–	–	5.2	–	0.0	–	0.0	–	–	–
90.0	170.0	–	–	–	–	16.0	–	0.0	–	–	–	–	–
90.0	180.0	–	–	–	–	11.1	–	5.0	–	0.0	–	–	–
93.0	50.0	0.0	0.0	0.0	0.0	–	0.0	11.1	–	0.0	–	–	–
93.0	70.0	0.0	0.0	0.0	0.0	–	4.9	0.0	–	0.0	–	–	–
93.0	90.0	–	0.0	6.3	–	0.0	0.0	5.1	–	5.4	–	–	–
93.0	110.0	–	–	–	–	0.0	–	0.0	–	5.4	–	–	–
93.0	180.0	–	–	–	–	5.4	–	0.0	–	0.0	–	–	–
93.0	190.0	–	–	–	–	15.8	–	0.0	–	–	–	–	–
93.0	200.0	–	–	–	–	9.9	–	0.0	–	–	–	–	–
97.0	45.0	0.0	0.0	0.0	–	0.0	–	10.0	–	0.0	–	–	–
97.0	60.0	0.0	0.0	18.1	–	0.0	–	0.0	–	0.0	–	–	–

TABLE 4. (cont.)

Poromitra spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0 70.0	–	5.0	0.0	–	4.9	–	0.0	–	0.0	–	–	–
97.0 90.0	–	4.9	0.0	–	5.3	0.0	–	–	0.0	–	–	–
100.0 40.0	0.0	0.0	0.0	–	0.0	–	0.0	–	11.3	–	–	–
100.0 60.0	0.0	0.0	5.7	–	0.0	–	0.0	–	0.0	–	–	–
100.0 70.0	5.1	0.0	0.0	–	–	–	10.2	–	0.0	–	–	–
100.0 80.0	0.0	0.0	0.0	–	5.0	–	0.0	–	0.0	–	–	–
100.0 90.0	2.6	0.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
103.0 50.0	0.0	7.6	5.0	–	0.0	–	0.0	–	0.0	–	–	–
107.0 35.0	0.0	0.0	0.0	–	11.0	–	0.0	0.0	0.0	–	–	–
110.0 35.0	0.0	0.0	5.3	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0 40.0	0.0	0.0	0.0	–	0.0	–	11.4	0.0	0.0	–	–	–
113.0 50.0	0.0	0.0	0.0	–	12.1	–	0.0	0.0	0.0	–	–	–
113.0 90.0	–	–	–	–	–	–	–	0.0	5.9	–	–	–
120.0 70.0	–	0.0	–	0.0	–	–	–	0.0	6.4	–	–	–
123.0 60.0	–	0.0	–	0.0	–	–	–	6.1	0.0	–	–	–
133.0 50.0	–	5.4	–	0.0	–	–	–	0.0	0.0	–	–	–
137.0 60.0	–	5.6	–	0.0	–	–	–	0.0	–	–	–	–

Scopeloberyx robustus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 150.0	–	–	–	–	5.2	–	0.0	–	0.0	–	–	–
90.0 180.0	–	–	–	–	5.5	–	0.0	–	0.0	–	–	–
90.0 190.0	–	–	–	–	0.0	–	5.7	–	–	–	–	–
93.0 140.0	–	–	–	–	0.0	–	0.0	–	10.8	–	–	–
93.0 150.0	–	–	–	–	0.0	–	0.0	–	5.4	–	–	–

Scopelogadus bispinosus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0 90.0	–	0.0	–	0.0	–	0.0	–	0.0	5.5	–	–	–
87.0 90.0	–	0.0	0.0	–	–	0.0	–	0.0	5.5	–	–	–
90.0 130.0	–	–	–	–	0.0	–	0.0	–	10.8	–	–	–
90.0 140.0	–	–	–	–	5.2	–	0.0	–	0.0	–	–	–
90.0 190.0	–	–	–	–	0.0	–	17.0	–	–	–	–	–
93.0 55.0	0.0	0.0	7.4	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0 60.0	0.0	0.0	0.0	0.0	–	0.0	5.3	–	0.0	–	–	–
93.0 90.0	–	0.0	0.0	–	0.0	0.0	5.1	–	0.0	–	–	–
93.0 150.0	–	–	–	–	0.0	–	0.0	–	5.4	–	–	–
97.0 55.0	9.6	0.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
97.0 90.0	–	4.9	0.0	–	5.3	0.0	–	–	0.0	–	–	–
100.0 60.0	6.3	0.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0 70.0	0.0	0.0	0.0	–	–	–	5.1	–	0.0	–	–	–
100.0 80.0	0.0	0.0	0.0	–	0.0	–	15.5	–	0.0	–	–	–

TABLE 4. (cont.)

Scopelogadus bispinosus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	90.0	0.0	4.5	0.0	–	0.0	–	0.0	–	0.0	–	–	–
103.0	45.0	12.5	–	0.0	–	0.0	–	0.0	–	0.0	–	–	–
103.0	80.0	0.0	4.7	0.0	–	–	–	0.0	–	0.0	–	–	–
110.0	90.0	–	–	–	–	–	–	–	–	5.8	–	–	–
113.0	35.0	0.0	4.3	0.0	–	0.0	–	–	–	0.0	–	–	–
113.0	90.0	–	–	–	–	–	–	–	0.0	5.9	–	–	–
123.0	45.0	–	0.0	–	0.0	–	–	–	–	6.0	–	–	–

Macroramphosus gracilis

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	50.0	0.0	0.0	0.0	–	0.0	–	16.2	0.0	0.0	–	–	–
130.0	50.0	–	5.1	–	0.0	–	–	–	0.0	0.0	–	–	–
137.0	50.0	–	0.0	–	50.5	–	–	–	0.0	0.0	–	–	–

Syngnathus spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	29.0	0.0	0.0	0.0	5.6	–	–	0.0	–	0.0	–	–	–
113.0	30.0	0.0	0.0	0.0	–	0.0	–	–	4.5	5.1	–	–	–
117.0	30.0	–	0.0	0.0	–	–	–	–	0.0	5.1	–	–	–
120.0	35.0	–	4.4	–	0.0	–	–	–	0.0	0.0	–	–	–
130.0	35.0	–	0.0	–	0.0	–	–	–	0.0	5.5	–	–	–

Agonidae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	51.0	0.0	0.0	–	21.3	0.0	–	–	0.0	0.0	–	–	–

Cottidae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	–	–	–	0.0	10.7	0.0	–	0.0	10.8	–	–	–
60.0	55.0	–	10.5	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
63.0	50.0	–	8.2	–	3.6	0.0	–	–	0.0	0.0	–	–	–
73.0	53.0	–	0.0	–	0.0	0.0	0.0	–	12.4	0.0	–	–	–
77.0	48.0	–	0.0	–	0.0	0.0	–	–	4.2	–	–	–	–
80.0	55.0	–	0.0	–	0.0	0.0	0.0	–	9.9	0.0	–	–	–
87.0	33.0	0.0	0.0	–	0.0	9.9	0.0	–	0.0	0.0	–	–	–
87.0	50.0	4.9	0.0	0.0	–	0.0	0.0	–	0.0	0.0	–	–	–
97.0	29.0	0.0	0.0	0.0	–	4.1	–	0.0	–	0.0	–	–	–
100.0	29.0	0.0	0.0	0.0	–	14.9	–	0.0	–	0.0	–	–	–

TABLE 4. (cont.)

Cottidae (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	30.0	5.4	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	29.0	0.0	0.0	0.0	-	5.0	-	0.0	-	0.0	-	-	-
107.0	31.0	0.0	3.6	5.4	-	0.0	-	-	0.0	0.0	-	-	-
110.0	32.4	0.0	0.0	0.0	-	9.9	-	0.0	9.9	0.0	-	-	-
110.0	70.0	-	0.0	0.0	-	-	-	0.0	-	11.8	-	-	-

Scorpaenichthys marmoratus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	51.0	-	4.7	-	10.8	0.0	0.0	-	0.0	0.0	-	-	-
73.0	50.0	-	0.0	-	9.8	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	0.0	0.0	-	4.3	0.0	-	-	0.0	0.0	-	-	-
93.0	28.0	0.0	12.2	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
97.0	29.0	0.0	4.7	0.0	-	0.0	-	0.0	-	0.0	-	-	-

Cyclopteridae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	52.0	-	5.3	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
66.0	49.0	-	0.0	-	4.8	0.0	-	-	0.0	0.0	-	-	-
110.0	32.4	0.0	0.0	0.0	-	0.0	-	0.0	9.9	0.0	-	-	-

Hexagrammidae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	-	4.7	-	0.0	0.0	-	-	0.0	0.0	-	-	-
103.0	30.0	0.0	0.0	4.6	-	0.0	-	0.0	-	0.0	-	-	-

Zaniolepis spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	-	0.0	-	0.0	0.0	-	-	0.0	4.8	-	-	-
63.0	52.0	-	0.0	-	0.0	0.0	0.0	-	0.0	11.0	-	-	-
77.0	51.0	-	0.0	-	10.9	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	5.2	0.0	-	4.3	0.0	-	-	0.0	0.0	-	-	-
87.0	40.0	0.0	0.0	-	5.8	0.0	0.0	-	0.0	0.0	-	-	-
87.0	50.0	4.9	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
93.0	29.0	0.0	5.4	0.0	0.0	-	-	0.0	-	0.0	-	-	-
93.0	30.0	10.2	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	35.0	10.9	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
103.0	30.0	0.0	0.0	0.0	-	0.0	-	0.0	-	11.5	-	-	-
107.0	31.0	0.0	0.0	5.4	-	0.0	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Zaniolepis spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
117.0	30.0	-	0.0	10.3	-	-	-	-	0.0	0.0	-	-	-
117.0	40.0	-	0.0	5.8	-	-	-	-	0.0	0.0	-	-	-
123.0	37.0	-	0.0	-	4.6	-	-	-	0.0	0.0	-	-	-

Scorpaena spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	35.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	11.5	-	-	-
113.0	35.0	0.0	0.0	0.0	-	0.0	-	-	-	17.5	-	-	-
117.0	35.0	-	0.0	0.0	-	-	-	-	0.0	20.5	-	-	-
120.0	30.0	-	0.0	-	0.0	-	-	-	0.0	5.2	-	-	-
123.0	45.0	-	0.0	-	0.0	-	-	-	-	18.1	-	-	-
127.0	45.0	-	0.0	-	0.0	-	-	-	6.8	0.0	-	-	-
127.0	50.0	-	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-
133.0	35.0	-	0.0	-	0.0	-	-	-	0.0	5.7	-	-	-

Sebastes spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	-	14.1	-	0.0	0.0	-	-	0.0	4.8	-	-	-
60.0	52.0	-	69.4	-	-	-	-	-	-	-	-	-	-
60.0	52.5	-	-	-	10.0	0.0	24.2	-	0.0	21.6	-	-	-
60.0	55.0	-	1953.0	-	220.4	171.2	82.0	-	120.1	65.2	-	-	-
60.0	60.0	-	74.9	-	11.0	0.0	0.0	-	496.8	0.0	-	-	-
60.0	65.0	-	170.3	-	-	-	-	-	153.2	53.7	-	-	-
60.0	70.0	-	0.0	-	0.0	-	0.0	-	180.9	92.7	-	-	-
60.0	80.0	-	5.7	-	-	-	0.0	-	0.0	131.3	-	-	-
63.0	50.0	-	12.4	-	7.2	45.0	-	-	0.0	0.0	-	-	-
63.0	52.0	-	468.1	-	39.1	179.8	29.6	-	0.0	11.0	-	-	-
63.0	55.0	-	166.1	-	159.3	189.4	526.5	-	266.0	10.3	-	-	-
63.0	60.0	-	0.0	-	30.7	80.1	45.1	-	63.9	21.9	-	-	-
63.0	65.0	-	0.0	-	0.0	-	-	-	62.6	22.2	-	-	-
63.0	70.0	-	0.0	-	68.9	-	0.0	-	79.0	0.0	-	-	-
63.0	90.0	-	-	-	-	-	0.0	-	16.3	0.0	-	-	-
66.0	49.0	-	47.1	-	0.0	7.6	-	-	0.0	0.0	-	-	-
67.0	50.0	-	257.6	-	244.2	109.0	289.2	-	78.6	67.1	-	-	-
67.0	55.0	-	237.4	-	78.8	43.8	84.8	-	40.6	72.4	-	-	-
67.0	60.0	-	0.0	-	14.7	0.0	117.6	-	92.8	9.9	-	-	-
67.0	65.0	-	0.0	-	0.0	-	-	-	433.7	70.3	-	-	-
67.0	70.0	-	0.0	-	0.0	-	10.6	-	34.4	0.0	-	-	-
67.0	80.0	-	0.0	-	0.0	-	12.2	-	23.9	-	-	-	-
70.0	51.0	-	254.3	-	151.8	29.8	58.0	-	10.5	20.6	-	-	-
70.0	53.0	-	50.6	-	43.9	109.8	85.8	-	130.5	23.2	-	-	-
70.0	60.0	-	0.0	-	9.2	0.0	24.9	-	85.7	0.0	-	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	65.0	-	0.0	-	0.0	0.0	-	-	126.1	35.9	-	-	-
70.0	70.0	-	0.0	-	10.5	0.0	0.0	-	109.0	11.2	-	-	-
73.0	50.0	-	231.2	-	196.9	189.3	120.0	-	54.1	10.0	-	-	-
73.0	53.0	-	10.1	-	80.6	387.3	60.1	-	186.5	33.6	-	-	-
73.0	65.0	-	5.5	-	0.0	10.7	-	-	0.0	0.0	-	-	-
73.0	70.0	-	8.6	-	0.0	0.0	34.8	-	0.0	0.0	-	-	-
73.0	80.0	-	0.0	-	0.0	-	0.0	-	0.0	22.0	-	-	-
77.0	48.0	-	0.0	-	4.5	9.1	-	-	0.0	-	-	-	-
77.0	51.0	-	248.0	-	633.3	197.5	345.4	-	100.6	63.2	-	-	-
77.0	55.0	-	235.1	-	0.0	10.5	112.5	-	34.0	0.0	-	-	-
77.0	60.0	-	189.7	-	0.0	0.0	13.4	-	108.0	0.0	-	-	-
77.0	70.0	-	12.2	-	0.0	0.0	177.9	-	0.0	21.8	-	-	-
77.0	80.0	-	0.0	-	0.0	-	0.0	-	14.8	41.9	-	-	-
77.0	90.0	-	0.0	-	5.5	-	0.0	-	5.5	0.0	-	-	-
80.0	51.0	-	57.5	-	19.8	35.6	20.8	-	0.0	0.0	-	-	-
80.0	52.0	-	394.2	-	46.6	57.0	-	-	50.4	0.0	-	-	-
80.0	55.0	-	0.0	-	42.8	76.9	26.5	-	49.6	10.9	-	-	-
80.0	60.0	-	0.0	-	10.0	24.2	70.2	-	110.6	10.8	-	-	-
80.0	70.0	-	0.0	-	0.0	0.0	62.4	-	98.5	0.0	-	-	-
80.0	80.0	-	0.0	-	0.0	-	0.0	-	182.3	0.0	-	-	-
80.0	90.0	-	5.5	-	0.0	-	14.7	-	96.9	0.0	-	-	-
82.0	47.0	-	32.1	-	235.2	0.0	-	-	36.2	0.0	-	-	-
83.0	42.0	-	21.8	-	164.3	88.6	28.0	-	0.0	12.2	-	-	-
83.0	51.0	139.3	572.0	-	21.3	184.8	-	-	11.2	10.3	-	-	-
83.0	55.0	215.6	246.2	-	8.1	45.8	-	-	54.0	0.0	-	-	-
83.0	60.0	0.0	10.4	-	0.0	0.0	42.9	-	100.4	0.0	-	-	-
83.0	70.0	0.0	0.0	-	0.0	0.0	30.9	-	0.0	21.0	-	-	-
83.0	80.0	0.0	0.0	-	0.0	-	35.7	-	0.0	11.8	-	-	-
83.0	90.0	-	0.0	-	0.0	-	24.6	-	27.5	0.0	-	-	-
87.0	32.5	0.0	37.7	-	4.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	32.7	4.4	45.9	-	24.1	0.0	4.8	-	0.0	0.0	-	-	-
87.0	33.0	11.1	13.1	-	54.5	29.8	0.0	-	0.0	9.5	-	-	-
87.0	34.0	124.5	303.8	-	110.5	90.7	-	-	0.0	0.0	-	-	-
87.0	35.0	65.9	86.4	-	76.4	53.3	19.9	-	0.0	0.0	-	-	-
87.0	36.0	0.0	129.5	-	16.7	111.0	-	-	0.0	0.0	-	-	-
87.0	40.0	28.2	11.5	-	11.6	53.1	24.3	-	48.6	22.5	-	-	-
87.0	45.0	146.1	228.9	-	101.0	29.7	0.0	-	13.4	0.0	-	-	-
87.0	50.0	2371.4	698.3	69.5	-	254.6	31.9	-	11.4	9.9	-	-	-
87.0	55.0	206.6	41.0	41.9	-	119.4	123.7	-	28.7	0.0	-	-	-
87.0	60.0	0.0	0.0	0.0	-	0.0	63.5	-	139.1	0.0	-	-	-
87.0	70.0	0.0	0.0	0.0	-	0.0	35.9	-	15.1	0.0	-	-	-
90.0	27.6	4.6	0.0	31.9	-	9.9	0.0	-	0.0	0.0	-	-	-
90.0	28.0	11.5	17.2	55.1	-	20.9	0.0	-	0.0	0.0	-	-	-
90.0	29.0	10.2	0.0	27.8	-	0.0	12.4	-	0.0	0.0	-	-	-
90.0	30.0	0.0	0.0	54.6	-	0.0	32.1	-	0.0	11.9	-	-	-
90.0	31.0	9.7	0.0	62.2	-	25.4	111.2	-	11.2	0.0	-	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	33.0	0.0	108.4	24.7	-	0.0	11.6	-	10.0	0.0	-	-	-
90.0	37.0	0.0	15.7	59.1	-	0.0	32.9	-	0.0	0.0	-	-	-
90.0	45.0	22.4	5.1	156.4	-	86.1	11.6	32.6	-	-	-	-	-
90.0	53.0	27.4	70.1	126.2	-	26.7	221.0	49.0	-	0.0	-	-	-
90.0	60.0	0.0	0.0	331.9	-	0.0	10.8	48.3	-	34.4	-	-	-
90.0	70.0	0.0	0.0	0.0	-	0.0	5.2	47.0	-	5.7	-	-	-
93.0	26.7	19.2	8.8	0.0	0.0	-	0.0	19.5	0.0	-	-	-	-
93.0	26.9	218.5	54.3	32.7	31.0	-	10.6	-	0.0	-	-	-	-
93.0	28.0	29.9	98.0	5.9	33.1	-	0.0	0.0	-	11.6	-	-	-
93.0	29.0	33.7	43.4	0.0	11.1	-	-	0.0	-	12.0	-	-	-
93.0	30.0	91.4	47.4	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	35.0	0.0	193.5	0.0	154.5	-	12.6	10.1	-	0.0	-	-	-
93.0	40.0	13.1	132.8	0.0	0.0	-	46.0	44.4	-	0.0	-	-	-
93.0	45.0	55.4	22.1	270.4	98.7	-	11.8	20.2	-	0.0	-	-	-
93.0	50.0	0.0	0.0	0.0	27.2	-	220.0	55.6	-	11.8	-	-	-
93.0	55.0	0.0	0.0	0.0	46.9	-	47.3	26.9	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	42.2	-	0.0	0.0	-	5.2	-	-	-
93.0	70.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	16.1	-	-	-
93.0	120.0	-	-	-	-	0.0	-	5.2	-	0.0	-	-	-
93.0	130.0	-	-	-	-	0.0	-	0.0	-	5.5	-	-	-
93.5	29.0	-	-	-	-	-	-	14.3	0.0	-	-	-	-
97.0	29.0	0.0	84.1	4.7	-	0.0	-	0.0	-	0.0	-	-	-
97.0	30.0	0.0	519.7	45.6	-	4.4	-	22.2	-	0.0	-	-	-
97.0	32.0	0.0	0.0	46.8	-	89.6	-	17.3	-	0.0	-	-	-
97.0	35.0	0.0	0.0	0.0	-	9.0	-	14.5	-	0.0	-	-	-
97.0	40.0	0.0	0.0	41.2	-	341.8	-	46.2	-	0.0	-	-	-
97.0	45.0	0.0	20.8	54.0	-	101.2	-	38.6	-	0.0	-	-	-
97.0	50.0	0.0	0.0	189.4	-	5.1	-	11.9	-	0.0	-	-	-
97.0	55.0	0.0	0.0	10.9	-	10.7	-	5.7	-	0.0	-	-	-
97.0	60.0	0.0	0.0	6.0	-	0.0	-	0.0	-	11.9	-	-	-
100.0	29.0	112.9	52.3	36.3	-	5.0	-	13.2	-	0.0	-	-	-
100.0	30.0	43.6	91.8	74.2	-	91.1	-	5.0	-	0.0	-	-	-
100.0	35.0	0.0	10.6	0.0	-	21.1	-	10.6	-	0.0	-	-	-
100.0	40.0	0.0	0.0	0.0	-	96.3	-	18.4	-	0.0	-	-	-
100.0	45.0	0.0	0.0	0.0	-	52.2	-	19.4	-	0.0	-	-	-
100.0	50.0	0.0	0.0	0.0	-	11.5	-	0.0	-	0.0	-	-	-
103.0	29.0	0.0	0.0	9.3	-	70.6	-	0.0	-	0.0	-	-	-
103.0	30.0	60.8	125.0	245.9	-	39.8	-	44.5	-	0.0	-	-	-
103.0	35.0	0.0	-	0.0	-	0.0	-	21.2	-	0.0	-	-	-
103.0	40.0	0.0	-	11.1	-	31.6	-	23.2	-	0.0	-	-	-
103.0	45.0	0.0	-	0.0	-	12.0	-	5.7	-	0.0	-	-	-
103.0	50.0	0.0	0.0	0.0	-	0.0	-	5.8	-	0.0	-	-	-
107.0	31.0	13.4	7.2	253.3	-	31.0	-	-	0.0	0.0	-	-	-
107.0	32.0	83.7	4.2	0.0	-	140.6	-	11.4	0.0	0.0	-	-	-
107.0	35.0	0.0	0.0	5.5	-	11.0	-	0.0	0.0	0.0	-	-	-
107.0	40.0	0.0	0.0	0.0	-	0.0	-	10.5	-	0.0	-	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
107.0	45.0	5.2	0.0	0.0	–	0.0	–	–	–	0.0	–	–	–
110.0	32.4	0.0	0.0	43.4	–	39.5	–	8.7	9.9	0.0	–	–	–
110.0	35.0	0.0	0.0	0.0	–	22.6	–	0.0	0.0	0.0	–	–	–
110.0	40.0	0.0	0.0	87.0	–	0.0	–	11.4	5.3	0.0	–	–	–
110.0	50.0	0.0	0.0	0.0	–	10.7	–	0.0	0.0	0.0	–	–	–
110.0	80.0	–	0.0	5.2	–	–	–	0.0	–	0.0	–	–	–
113.0	29.0	0.0	26.0	25.8	–	0.0	–	–	0.0	0.0	–	–	–
113.0	30.0	0.0	58.0	270.8	–	36.6	–	–	0.0	0.0	–	–	–
113.0	35.0	0.0	21.3	25.6	–	34.1	–	–	–	0.0	–	–	–
113.0	40.0	0.0	0.0	0.0	–	11.6	–	–	0.0	0.0	–	–	–
113.0	45.0	0.0	4.2	0.0	–	13.3	–	–	0.0	0.0	–	–	–
113.0	50.0	0.0	0.0	0.0	–	0.0	–	0.0	0.0	12.3	–	–	–
117.0	25.0	–	16.8	–	–	–	–	–	0.0	0.0	–	–	–
117.0	26.0	–	21.5	56.0	–	–	–	–	0.0	0.0	–	–	–
117.0	30.0	–	0.0	51.7	–	–	–	–	0.0	0.0	–	–	–
117.0	35.0	–	4.7	20.4	–	–	–	–	13.7	0.0	–	–	–
117.0	40.0	–	17.2	5.8	–	–	–	–	38.8	0.0	–	–	–
117.0	45.0	–	4.7	45.8	–	–	–	–	0.0	0.0	–	–	–
117.0	50.0	–	0.0	11.5	–	–	–	–	0.0	0.0	–	–	–
118.0	39.0	–	0.0	67.2	–	–	–	–	12.6	0.0	–	–	–
119.0	33.0	–	0.0	–	5.3	–	–	–	5.4	0.0	–	–	–
120.0	25.0	–	15.6	–	0.0	–	–	–	0.0	0.0	–	–	–
120.0	35.0	–	0.0	–	8.7	–	–	–	0.0	0.0	–	–	–
120.0	45.0	–	0.0	–	9.5	–	–	–	0.0	0.0	–	–	–
123.0	36.0	–	0.0	–	8.0	–	–	–	9.5	0.0	–	–	–
123.0	37.0	–	32.8	–	82.3	–	–	–	5.3	0.0	–	–	–
123.0	45.0	–	0.0	–	4.6	–	–	–	–	0.0	–	–	–
127.0	33.0	–	0.0	–	4.4	–	–	–	5.3	0.0	–	–	–
127.0	34.0	–	16.9	–	41.9	–	–	–	0.0	0.0	–	–	–
133.0	23.0	–	0.0	–	4.9	–	–	–	0.0	0.0	–	–	–
137.0	35.0	–	0.0	–	5.3	–	–	–	0.0	0.0	–	–	–

Sebastes aurora

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	60.0	–	0.0	–	0.0	0.0	0.0	–	10.8	0.0	–	–	–
60.0	80.0	–	0.0	–	–	–	0.0	–	0.0	10.9	–	–	–
67.0	50.0	–	0.0	–	0.0	0.0	27.5	–	0.0	0.0	–	–	–
70.0	53.0	–	0.0	–	0.0	0.0	0.0	–	0.0	11.6	–	–	–
73.0	50.0	–	0.0	–	0.0	0.0	50.0	–	10.8	0.0	–	–	–
73.0	53.0	–	0.0	–	0.0	0.0	24.0	–	0.0	0.0	–	–	–
77.0	51.0	–	0.0	–	0.0	0.0	28.8	–	0.0	0.0	–	–	–
77.0	60.0	–	0.0	–	0.0	0.0	0.0	–	9.8	0.0	–	–	–
77.0	65.0	–	0.0	–	0.0	11.0	–	–	0.0	0.0	–	–	–
77.0	70.0	–	0.0	–	0.0	0.0	71.2	–	0.0	0.0	–	–	–

TABLE 4. (cont.)

Sebastes aurora (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	60.0	–	0.0	–	0.0	0.0	35.1	–	0.0	10.8	–	–	–
80.0	70.0	–	0.0	–	0.0	0.0	12.5	–	0.0	0.0	–	–	–
83.0	42.0	–	0.0	–	5.3	0.0	0.0	–	0.0	0.0	–	–	–
83.0	60.0	0.0	0.0	–	0.0	0.0	17.2	–	0.0	0.0	–	–	–
83.0	80.0	0.0	0.0	–	0.0	–	5.1	–	0.0	0.0	–	–	–
83.0	90.0	–	0.0	–	0.0	–	0.0	–	9.2	0.0	–	–	–
87.0	60.0	0.0	0.0	0.0	–	0.0	10.6	–	0.0	0.0	–	–	–
90.0	29.0	10.2	0.0	0.0	–	0.0	0.0	–	0.0	0.0	–	–	–
90.0	31.0	0.0	0.0	12.4	–	0.0	0.0	–	0.0	0.0	–	–	–
90.0	45.0	0.0	0.0	11.2	–	0.0	0.0	0.0	–	–	–	–	–
90.0	60.0	0.0	0.0	0.0	–	0.0	0.0	5.4	–	0.0	–	–	–
93.0	28.0	10.0	0.0	0.0	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0	35.0	0.0	0.0	10.2	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0	40.0	0.0	0.0	5.6	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0	50.0	0.0	0.0	0.0	21.8	–	9.6	0.0	–	0.0	–	–	–
93.0	55.0	0.0	0.0	0.0	0.0	–	9.5	0.0	–	0.0	–	–	–
93.0	60.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	5.2	–	–	–
93.0	80.0	0.0	0.0	0.0	–	0.0	0.0	0.0	–	5.9	–	–	–

Sebastes jordani

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	–	0.0	–	11.0	0.0	0.0	–	0.0	0.0	–	–	–
63.0	52.0	–	168.3	–	1187.7	0.0	0.0	–	0.0	0.0	–	–	–
63.0	55.0	–	0.0	–	826.5	0.0	0.0	–	0.0	0.0	–	–	–
67.0	50.0	–	19.1	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
67.0	60.0	–	10.6	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
70.0	53.0	–	0.0	–	0.0	29.9	0.0	–	0.0	0.0	–	–	–
73.0	50.0	–	0.0	–	39.4	0.0	0.0	–	0.0	0.0	–	–	–
77.0	51.0	–	0.0	–	32.8	0.0	0.0	–	0.0	0.0	–	–	–
80.0	52.0	–	0.0	–	5.2	0.0	–	–	0.0	0.0	–	–	–
82.0	47.0	–	235.5	–	0.0	0.0	–	–	0.0	0.0	–	–	–
83.0	40.6	–	5.1	–	–	0.0	0.0	–	0.0	0.0	–	–	–
83.0	42.0	–	136.0	–	31.8	0.0	0.0	–	0.0	0.0	–	–	–
83.0	51.0	0.0	148.7	–	8.5	0.0	–	–	0.0	0.0	–	–	–
83.0	55.0	0.0	0.0	–	0.0	45.8	–	–	0.0	0.0	–	–	–
87.0	32.5	0.0	41.5	–	4.0	0.0	0.0	–	0.0	0.0	–	–	–
87.0	32.7	0.0	499.8	–	4.8	0.0	0.0	–	0.0	0.0	–	–	–
87.0	33.0	0.0	113.4	–	0.0	9.9	0.0	–	0.0	0.0	–	–	–
87.0	34.0	0.0	0.0	–	17.7	0.0	–	–	0.0	0.0	–	–	–
87.0	35.0	0.0	0.0	–	19.1	0.0	0.0	–	0.0	0.0	–	–	–
87.0	36.0	0.0	0.0	–	27.8	0.0	–	–	0.0	0.0	–	–	–
87.0	40.0	0.0	0.0	–	46.6	0.0	0.0	–	0.0	0.0	–	–	–
87.0	45.0	0.0	0.0	–	11.9	0.0	0.0	–	0.0	0.0	–	–	–
90.0	27.6	0.0	0.0	5.3	–	0.0	0.0	–	0.0	0.0	–	–	–

TABLE 4. (cont.)

Sebastes jordani (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	28.0	0.0	0.0	99.2	–	0.0	0.0	–	0.0	0.0	–	–	–
90.0	29.0	0.0	5.5	0.0	–	38.6	0.0	–	0.0	0.0	–	–	–
90.0	30.0	0.0	0.0	32.8	–	0.0	0.0	–	0.0	0.0	–	–	–
90.0	31.0	0.0	11.6	0.0	–	0.0	0.0	–	0.0	0.0	–	–	–
90.0	33.0	0.0	18.1	0.0	–	0.0	0.0	–	0.0	0.0	–	–	–
90.0	45.0	0.0	0.0	22.3	–	53.8	0.0	0.0	–	–	–	–	–
90.0	53.0	0.0	0.0	12.0	–	0.0	0.0	0.0	–	0.0	–	–	–
93.0	26.9	0.0	0.0	10.9	0.0	–	0.0	–	0.0	–	–	–	–
93.0	28.0	0.0	0.0	5.9	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0	30.0	0.0	106.6	0.0	12.0	–	0.0	0.0	–	0.0	–	–	–
93.0	35.0	0.0	109.8	30.6	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0	45.0	0.0	0.0	12.3	0.0	–	0.0	0.0	–	0.0	–	–	–
97.0	32.0	0.0	0.0	5.8	–	0.0	–	0.0	–	0.0	–	–	–
100.0	29.0	0.0	423.6	0.0	–	0.0	–	0.0	–	0.0	–	–	–

Sebastes levis

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
66.0	49.0	–	0.0	–	4.8	0.0	–	–	0.0	0.0	–	–	–
80.0	52.0	–	0.0	–	0.0	11.4	–	–	0.0	0.0	–	–	–
83.0	42.0	–	0.0	–	5.3	12.7	0.0	–	0.0	0.0	–	–	–
83.0	51.0	0.0	0.0	–	0.0	11.6	–	–	0.0	0.0	–	–	–
83.0	55.0	0.0	0.0	–	0.0	137.3	–	–	0.0	0.0	–	–	–
90.0	45.0	0.0	0.0	0.0	–	43.0	0.0	0.0	–	–	–	–	–
93.0	30.0	0.0	11.8	0.0	0.0	–	0.0	0.0	–	0.0	–	–	–

Sebastes macdonaldi

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	40.0	0.0	0.0	0.0	–	10.9	–	0.0	0.0	0.0	–	–	–
113.0	29.0	0.0	0.0	4.3	–	0.0	–	–	0.0	0.0	–	–	–
113.0	30.0	0.0	0.0	13.3	–	0.0	–	–	0.0	0.0	–	–	–
113.0	35.0	0.0	0.0	5.1	–	0.0	–	–	–	0.0	–	–	–
117.0	35.0	–	0.0	40.7	–	–	–	–	0.0	0.0	–	–	–
117.0	40.0	–	0.0	5.8	–	–	–	–	0.0	0.0	–	–	–
117.0	45.0	–	0.0	22.9	–	–	–	–	0.0	0.0	–	–	–
118.0	39.0	–	0.0	77.6	–	–	–	–	0.0	0.0	–	–	–
119.0	33.0	–	8.7	–	0.0	–	–	–	0.0	0.0	–	–	–
120.0	45.0	–	0.0	–	4.7	–	–	–	0.0	0.0	–	–	–
123.0	37.0	–	0.0	–	9.1	–	–	–	0.0	0.0	–	–	–
123.0	45.0	–	0.0	–	13.8	–	–	–	–	0.0	–	–	–
127.0	34.0	–	0.0	–	195.7	–	–	–	0.0	0.0	–	–	–
127.0	40.0	–	–	–	4.8	–	–	–	0.0	0.0	–	–	–
130.0	30.0	–	0.0	–	23.1	–	–	–	0.0	0.0	–	–	–

TABLE 4. (cont.)

Sebastes macdonaldi (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
133.0	25.0	–	0.0	–	69.0	–	–	–	0.0	0.0	–	–	–
133.0	30.0	–	0.0	–	127.9	–	–	–	0.0	0.0	–	–	–

Sebastes paucispinis

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	60.0	–	0.0	–	11.0	0.0	0.0	–	0.0	0.0	–	–	–
60.0	70.0	–	0.0	–	0.0	–	10.5	–	0.0	0.0	–	–	–
63.0	55.0	–	0.0	–	19.9	0.0	0.0	–	0.0	0.0	–	–	–
63.0	60.0	–	0.0	–	20.5	11.4	0.0	–	0.0	0.0	–	–	–
63.0	70.0	–	0.0	–	11.5	–	0.0	–	0.0	0.0	–	–	–
67.0	50.0	–	4.8	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
67.0	55.0	–	0.0	–	0.0	32.9	0.0	–	0.0	0.0	–	–	–
67.0	70.0	–	0.0	–	0.0	–	10.6	–	0.0	0.0	–	–	–
70.0	51.0	–	0.0	–	10.8	0.0	0.0	–	0.0	0.0	–	–	–
70.0	53.0	–	0.0	–	11.0	0.0	0.0	–	0.0	0.0	–	–	–
70.0	60.0	–	0.0	–	9.2	0.0	0.0	–	0.0	0.0	–	–	–
73.0	50.0	–	0.0	–	0.0	9.5	0.0	–	0.0	0.0	–	–	–
73.0	53.0	–	0.0	–	46.1	0.0	0.0	–	0.0	0.0	–	–	–
73.0	60.0	–	0.0	–	10.0	0.0	0.0	–	0.0	0.0	–	–	–
77.0	51.0	–	0.0	–	10.9	0.0	0.0	–	0.0	0.0	–	–	–
77.0	55.0	–	0.0	–	0.0	31.4	0.0	–	0.0	0.0	–	–	–
77.0	60.0	–	0.0	–	12.5	10.6	0.0	–	0.0	0.0	–	–	–
80.0	52.0	–	0.0	–	15.5	0.0	–	–	0.0	0.0	–	–	–
80.0	60.0	–	0.0	–	20.0	0.0	0.0	–	0.0	0.0	–	–	–
83.0	42.0	–	0.0	–	5.3	0.0	0.0	–	0.0	0.0	–	–	–
83.0	51.0	0.0	45.8	–	0.0	0.0	–	–	0.0	0.0	–	–	–
83.0	55.0	155.7	0.0	–	0.0	0.0	–	–	0.0	0.0	–	–	–
83.0	80.0	0.0	0.0	–	0.0	–	10.2	–	0.0	0.0	–	–	–
87.0	34.0	0.0	0.0	–	4.4	0.0	–	–	0.0	0.0	–	–	–
87.0	36.0	0.0	0.0	–	11.1	0.0	–	–	0.0	0.0	–	–	–
87.0	40.0	5.6	0.0	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
87.0	45.0	0.0	0.0	–	17.8	0.0	0.0	–	0.0	0.0	–	–	–
87.0	50.0	4.9	0.0	0.0	–	0.0	0.0	–	0.0	0.0	–	–	–
87.0	55.0	39.3	10.2	0.0	–	0.0	0.0	–	0.0	0.0	–	–	–
90.0	30.0	0.0	0.0	21.9	–	0.0	0.0	–	0.0	0.0	–	–	–
90.0	31.0	0.0	0.0	12.4	–	0.0	0.0	–	0.0	0.0	–	–	–
90.0	37.0	9.9	0.0	0.0	–	0.0	0.0	–	0.0	0.0	–	–	–
90.0	45.0	11.2	0.0	0.0	–	0.0	0.0	0.0	–	–	–	–	–
90.0	53.0	0.0	0.0	18.0	–	0.0	0.0	0.0	–	0.0	–	–	–
90.0	60.0	0.0	0.0	49.2	–	0.0	0.0	0.0	–	0.0	–	–	–
93.0	26.9	5.3	0.0	0.0	0.0	–	0.0	–	0.0	–	–	–	–
93.0	30.0	30.5	0.0	0.0	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0	35.0	43.4	0.0	0.0	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0	40.0	0.0	15.9	0.0	0.0	–	0.0	0.0	–	0.0	–	–	–

TABLE 4. (cont.)

Sebastes paucispinis (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	45.0	11.1	0.0	12.3	0.0	-	0.0	0.0	-	0.0	-	-	-
97.0	32.0	25.9	0.0	17.5	-	0.0	-	0.0	-	0.0	-	-	-
97.0	40.0	0.0	5.5	0.0	-	39.1	-	0.0	-	0.0	-	-	-
97.0	45.0	0.0	10.4	0.0	-	36.8	-	0.0	-	0.0	-	-	-
97.0	50.0	0.0	0.0	11.8	-	0.0	-	0.0	-	0.0	-	-	-
100.0	29.0	0.0	15.7	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	35.0	0.0	0.0	0.0	-	10.6	-	0.0	-	0.0	-	-	-
103.0	45.0	0.0	-	0.0	-	12.0	-	0.0	-	0.0	-	-	-
107.0	31.0	0.0	0.0	5.4	-	0.0	-	-	0.0	0.0	-	-	-
107.0	32.0	0.0	0.0	22.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	40.0	0.0	0.0	0.0	-	0.0	-	10.5	-	0.0	-	-	-
110.0	70.0	-	0.0	5.5	-	-	-	0.0	-	0.0	-	-	-
113.0	35.0	0.0	0.0	5.1	-	0.0	-	-	-	0.0	-	-	-

Sebastolobus spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	-	0.0	-	0.0	11.4	0.0	-	0.0	0.0	-	-	-
60.0	70.0	-	0.0	-	0.0	-	10.5	-	0.0	11.6	-	-	-
60.0	80.0	-	0.0	-	-	-	0.0	-	0.0	10.9	-	-	-
60.0	90.0	-	-	-	-	-	0.0	-	4.6	0.0	-	-	-
63.0	55.0	-	0.0	-	368.5	0.0	0.0	-	0.0	0.0	-	-	-
63.0	60.0	-	0.0	-	0.0	0.0	0.0	-	0.0	10.9	-	-	-
63.0	70.0	-	0.0	-	0.0	-	10.5	-	0.0	0.0	-	-	-
63.0	90.0	-	-	-	-	-	0.0	-	10.8	5.6	-	-	-
67.0	65.0	-	0.0	-	0.0	-	-	-	22.2	0.0	-	-	-
67.0	70.0	-	0.0	-	0.0	-	21.2	-	34.4	0.0	-	-	-
67.0	90.0	-	5.6	-	0.0	-	0.0	-	11.3	11.1	-	-	-
70.0	65.0	-	0.0	-	0.0	0.0	-	-	9.7	23.9	-	-	-
70.0	70.0	-	0.0	-	0.0	0.0	0.0	-	0.0	11.2	-	-	-
70.0	90.0	-	0.0	-	0.0	-	0.0	-	10.2	0.0	-	-	-
73.0	53.0	-	0.0	-	34.6	0.0	0.0	-	0.0	0.0	-	-	-
73.0	65.0	-	0.0	-	0.0	0.0	-	-	5.1	0.0	-	-	-
73.0	80.0	-	0.0	-	0.0	-	0.0	-	5.1	0.0	-	-	-
77.0	51.0	-	0.0	-	10.9	0.0	0.0	-	0.0	0.0	-	-	-
77.0	60.0	-	0.0	-	0.0	10.6	0.0	-	0.0	0.0	-	-	-
77.0	65.0	-	0.0	-	0.0	11.0	-	-	0.0	0.0	-	-	-
80.0	70.0	-	0.0	-	0.0	10.8	0.0	-	0.0	0.0	-	-	-
83.0	80.0	0.0	0.0	-	0.0	-	0.0	-	0.0	5.9	-	-	-
90.0	80.0	0.0	0.0	0.0	-	0.0	0.0	5.3	-	0.0	-	-	-
90.0	90.0	-	0.0	0.0	-	0.0	0.0	0.0	-	11.0	-	-	-
90.0	100.0	-	0.0	0.0	-	0.0	-	5.4	-	0.0	-	-	-
100.0	50.0	0.0	0.0	0.0	-	0.0	-	0.0	-	11.3	-	-	-

TABLE 4. (cont.)

Prionotus spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
117.0	25.0	–	0.0	–	–	–	–	–	0.0	17.1	–	–	–
120.0	24.0	–	0.0	–	0.0	–	–	–	0.0	95.0	–	–	–
120.0	25.0	–	0.0	–	0.0	–	–	–	0.0	43.4	–	–	–
120.0	35.0	–	0.0	–	0.0	–	–	–	5.6	0.0	–	–	–
120.0	40.0	–	0.0	–	0.0	–	–	–	0.0	27.7	–	–	–
130.0	28.0	–	0.0	–	0.0	–	–	–	0.0	9.5	–	–	–
133.0	23.0	–	0.0	–	0.0	–	–	–	0.0	24.3	–	–	–

Hypsoblennius spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	55.0	–	0.0	–	0.0	0.0	0.0	–	9.9	0.0	–	–	–
83.0	40.6	–	0.0	–	–	0.0	0.0	–	0.0	13.2	–	–	–
83.0	42.0	–	0.0	–	0.0	0.0	0.0	–	0.0	24.5	–	–	–
87.0	32.5	0.0	0.0	–	0.0	14.5	0.0	–	36.5	0.0	–	–	–
87.0	32.7	0.0	0.0	–	0.0	0.0	4.8	–	8.5	0.0	–	–	–
87.0	33.0	0.0	0.0	–	0.0	0.0	0.0	–	4.9	9.5	–	–	–
90.0	27.6	0.0	0.0	0.0	–	9.9	0.0	–	42.2	26.3	–	–	–
90.0	28.0	0.0	0.0	0.0	–	0.0	9.0	–	34.9	22.3	–	–	–
90.0	29.0	0.0	0.0	0.0	–	0.0	0.0	–	62.0	0.0	–	–	–
90.0	30.0	0.0	0.0	0.0	–	0.0	21.4	–	0.0	23.8	–	–	–
93.0	26.7	0.0	0.0	0.0	4.0	–	9.5	19.5	9.7	–	–	–	–
93.0	26.9	0.0	0.0	0.0	0.0	–	16.0	–	0.0	–	–	–	–
93.0	28.0	0.0	0.0	0.0	0.0	–	0.0	21.3	–	0.0	–	–	–
100.0	30.0	0.0	0.0	0.0	–	0.0	–	0.0	–	13.3	–	–	–
107.0	31.0	0.0	0.0	0.0	–	0.0	–	–	0.0	92.3	–	–	–
107.0	32.0	0.0	0.0	0.0	–	0.0	–	0.0	0.0	11.7	–	–	–
110.0	32.4	0.0	0.0	0.0	–	0.0	–	0.0	0.0	9.0	–	–	–
113.0	29.0	0.0	0.0	0.0	–	0.0	–	–	7.8	0.0	–	–	–
113.0	30.0	0.0	0.0	0.0	–	0.0	–	–	0.0	15.4	–	–	–
119.0	33.0	–	4.4	–	0.0	–	–	–	0.0	0.0	–	–	–
120.0	24.0	–	7.9	–	4.1	–	–	–	13.0	0.0	–	–	–
120.0	25.0	–	0.0	–	4.8	–	–	–	4.7	0.0	–	–	–
120.0	40.0	–	3.7	–	0.0	–	–	–	0.0	0.0	–	–	–
123.0	36.0	–	0.0	–	0.0	–	–	–	4.7	4.7	–	–	–
123.0	37.0	–	0.0	–	0.0	–	–	–	0.0	5.8	–	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	11.0	–	–	–
127.0	40.0	–	–	–	0.0	–	–	–	0.0	11.6	–	–	–
130.0	28.0	–	4.6	–	0.0	–	–	–	19.8	0.0	–	–	–
130.0	30.0	–	0.0	–	0.0	–	–	–	0.0	5.4	–	–	–
130.0	35.0	–	0.0	–	0.0	–	–	–	45.4	5.5	–	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	0.0	5.2	–	–	–
137.0	22.0	–	0.0	–	0.0	–	–	–	26.8	–	–	–	–
137.0	35.0	–	0.0	–	0.0	–	–	–	0.0	5.1	–	–	–

TABLE 4. (cont.)

Clinidae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	-	-	-	0.0	21.3	0.0	-	0.0	0.0	-	-	-
63.0	50.0	-	4.1	-	3.6	0.0	-	-	0.0	0.0	-	-	-
63.0	52.0	-	0.0	-	0.0	0.0	7.4	-	0.0	0.0	-	-	-
67.0	50.0	-	0.0	-	0.0	0.0	13.8	-	0.0	0.0	-	-	-
83.0	51.0	0.0	0.0	-	4.3	0.0	-	-	0.0	0.0	-	-	-
90.0	27.6	0.0	4.5	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
97.0	29.0	5.5	0.0	0.0	-	4.1	-	0.0	-	0.0	-	-	-
97.0	30.0	6.0	204.2	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	29.0	0.0	0.0	5.2	-	0.0	-	0.0	-	0.0	-	-	-
103.0	29.0	0.0	0.0	0.0	-	20.2	-	0.0	-	6.1	-	-	-
103.0	30.0	0.0	0.0	18.6	-	5.0	-	0.0	-	0.0	-	-	-
107.0	31.0	0.0	0.0	5.4	-	31.0	-	-	0.0	0.0	-	-	-
110.0	32.4	0.0	0.0	4.8	-	9.9	-	0.0	9.9	0.0	-	-	-
113.0	29.0	0.0	0.0	0.0	-	13.8	-	-	0.0	0.0	-	-	-
118.0	39.0	-	4.9	0.0	-	-	-	-	0.0	0.0	-	-	-
120.0	40.0	-	3.7	-	0.0	-	-	-	0.0	0.0	-	-	-
127.0	33.0	-	0.0	-	0.0	-	-	-	0.0	81.0	-	-	-

Gobiidae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	-	4.7	-	8.8	0.0	-	-	9.0	4.8	-	-	-
60.0	65.0	-	0.0	-	-	-	-	-	0.0	10.7	-	-	-
63.0	50.0	-	20.6	-	7.2	9.0	-	-	0.0	0.0	-	-	-
63.0	52.0	-	0.0	-	7.8	0.0	0.0	-	0.0	11.0	-	-	-
63.0	60.0	-	0.0	-	0.0	0.0	0.0	-	0.0	10.9	-	-	-
67.0	60.0	-	10.6	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	48.0	-	0.0	-	0.0	4.5	-	-	0.0	-	-	-	-
77.0	51.0	-	0.0	-	10.9	0.0	28.8	-	0.0	10.5	-	-	-
77.0	55.0	-	0.0	-	0.0	0.0	12.5	-	0.0	0.0	-	-	-
77.0	65.0	-	0.0	-	11.0	0.0	-	-	0.0	0.0	-	-	-
77.0	80.0	-	0.0	-	0.0	-	0.0	-	0.0	10.5	-	-	-
82.0	47.0	-	0.0	-	0.0	0.0	-	-	0.0	11.8	-	-	-
83.0	40.6	-	0.0	-	-	0.0	7.0	-	0.0	0.0	-	-	-
83.0	42.0	-	0.0	-	0.0	0.0	18.7	-	13.8	0.0	-	-	-
83.0	51.0	0.0	0.0	-	0.0	11.6	-	-	11.2	0.0	-	-	-
83.0	55.0	12.0	0.0	-	0.0	11.4	-	-	0.0	0.0	-	-	-
83.0	80.0	0.0	0.0	-	0.0	-	0.0	-	0.0	5.9	-	-	-
87.0	32.5	0.0	0.0	-	4.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	32.7	8.8	25.5	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	33.0	11.1	0.0	-	0.0	9.9	0.0	-	0.0	0.0	-	-	-
87.0	34.0	0.0	0.0	-	4.4	0.0	-	-	0.0	0.0	-	-	-
87.0	35.0	0.0	5.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	40.0	0.0	0.0	-	0.0	0.0	12.2	-	0.0	0.0	-	-	-
87.0	50.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	4.9	-	-	-

TABLE 4. (cont.)

Gobiidae (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	60.0	0.0	0.0	0.0	-	0.0	10.6	-	0.0	0.0	-	-	-
90.0	27.6	0.0	0.0	5.3	-	0.0	0.0	-	0.0	8.8	-	-	-
90.0	30.0	0.0	10.5	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	31.0	0.0	0.0	0.0	-	12.7	0.0	-	0.0	0.0	-	-	-
90.0	33.0	0.0	30.1	0.0	-	0.0	0.0	-	0.0	12.0	-	-	-
90.0	70.0	0.0	0.0	0.0	-	0.0	0.0	7.8	-	0.0	-	-	-
93.0	26.7	0.0	4.4	0.0	4.0	-	0.0	0.0	0.0	-	-	-	-
93.0	26.9	5.3	4.9	0.0	5.2	-	0.0	-	0.0	-	-	-	-
93.0	28.0	10.0	0.0	0.0	11.0	-	0.0	0.0	-	0.0	-	-	-
93.0	30.0	30.5	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	40.0	0.0	10.6	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	45.0	0.0	0.0	12.3	0.0	-	0.0	0.0	-	0.0	-	-	-
97.0	29.0	0.0	4.7	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	30.0	6.0	4.6	5.1	-	0.0	-	0.0	-	0.0	-	-	-
97.0	35.0	0.0	0.0	0.0	-	0.0	-	4.6	-	0.0	-	-	-
97.0	40.0	0.0	0.0	0.0	-	0.0	-	6.2	-	0.0	-	-	-
97.0	45.0	0.0	0.0	6.0	-	0.0	-	5.0	-	0.0	-	-	-
100.0	29.0	0.0	0.0	0.0	-	5.0	-	4.4	-	23.4	-	-	-
103.0	30.0	0.0	0.0	0.0	-	0.0	-	0.0	-	22.9	-	-	-
103.0	35.0	0.0	-	0.0	-	0.0	-	0.0	-	15.4	-	-	-
103.0	50.0	0.0	0.0	0.0	-	0.0	-	0.0	-	12.3	-	-	-
107.0	31.0	4.5	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	-
110.0	70.0	-	0.0	0.0	-	-	-	0.0	-	5.9	-	-	-
113.0	29.0	4.3	3.3	0.0	-	4.6	-	-	3.9	0.0	-	-	-
113.0	30.0	4.7	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	-
113.0	35.0	0.0	0.0	0.0	-	0.0	-	-	-	5.8	-	-	-
120.0	24.0	-	7.9	-	0.0	-	-	-	4.3	0.0	-	-	-
120.0	60.0	-	0.0	-	0.0	-	-	-	0.0	5.9	-	-	-
127.0	33.0	-	0.0	-	0.0	-	-	-	0.0	8.1	-	-	-
130.0	50.0	-	0.0	-	0.0	-	-	-	0.0	6.0	-	-	-
137.0	22.0	-	176.0	-	0.0	-	-	-	0.0	-	-	-	-

Icosteus aenigmaticus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
66.0	49.0	-	0.0	-	0.0	0.0	-	-	4.9	0.0	-	-	-
77.0	55.0	-	0.0	-	10.2	0.0	0.0	-	0.0	0.0	-	-	-

Halichoeres spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
118.0	39.0	-	0.0	0.0	-	-	-	-	0.0	12.4	-	-	-
120.0	24.0	-	0.0	-	0.0	-	-	-	0.0	19.0	-	-	-
120.0	25.0	-	0.0	-	0.0	-	-	-	4.7	5.4	-	-	-

TABLE 4. (cont.)

Halichoeres spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	40.0	–	0.0	–	0.0	–	–	–	0.0	4.6	–	–	–
120.0	45.0	–	0.0	–	0.0	–	–	–	0.0	5.6	–	–	–
120.0	60.0	–	0.0	–	0.0	–	–	–	0.0	11.9	–	–	–
123.0	42.0	–	0.0	–	–	–	–	–	–	5.6	–	–	–
127.0	40.0	–	–	–	0.0	–	–	–	11.2	23.2	–	–	–
127.0	45.0	–	0.0	–	0.0	–	–	–	0.0	15.8	–	–	–
127.0	50.0	–	0.0	–	0.0	–	–	–	0.0	11.3	–	–	–
130.0	28.0	–	0.0	–	0.0	–	–	–	0.0	4.7	–	–	–
130.0	35.0	–	0.0	–	0.0	–	–	–	0.0	5.5	–	–	–
130.0	40.0	–	0.0	–	0.0	–	–	–	–	12.8	–	–	–
130.0	50.0	–	0.0	–	0.0	–	–	–	0.0	6.0	–	–	–
133.0	23.0	–	0.0	–	0.0	–	–	–	0.0	36.4	–	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	5.5	0.0	–	–	–
133.0	35.0	–	0.0	–	0.0	–	–	–	0.0	11.4	–	–	–
133.0	40.0	–	0.0	–	0.0	–	–	–	12.3	0.0	–	–	–
137.0	22.0	–	0.0	–	0.0	–	–	–	37.5	–	–	–	–

Oxyjulis californica

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0	53.0	–	0.0	–	0.0	0.0	0.0	–	0.0	11.2	–	–	–
77.0	51.0	–	0.0	–	0.0	0.0	0.0	–	0.0	21.1	–	–	–
77.0	80.0	–	0.0	–	0.0	–	0.0	–	0.0	20.9	–	–	–
80.0	55.0	–	0.0	–	0.0	0.0	0.0	–	9.9	0.0	–	–	–
82.0	47.0	–	0.0	–	0.0	0.0	–	–	0.0	129.9	–	–	–
83.0	42.0	–	0.0	–	0.0	0.0	0.0	–	124.2	0.0	–	–	–
83.0	55.0	0.0	0.0	–	0.0	22.9	–	–	0.0	0.0	–	–	–
87.0	32.7	0.0	0.0	–	0.0	0.0	0.0	–	0.0	4.7	–	–	–
87.0	33.0	0.0	0.0	–	0.0	0.0	0.0	–	0.0	9.5	–	–	–
87.0	35.0	0.0	0.0	–	0.0	0.0	0.0	–	12.1	0.0	–	–	–
87.0	40.0	0.0	0.0	–	0.0	0.0	24.3	–	0.0	33.8	–	–	–
87.0	45.0	0.0	0.0	–	0.0	0.0	0.0	–	0.0	54.0	–	–	–
87.0	55.0	0.0	0.0	0.0	–	23.9	12.4	–	9.6	0.0	–	–	–
87.0	60.0	0.0	0.0	0.0	–	0.0	31.7	–	0.0	0.0	–	–	–
90.0	30.0	0.0	0.0	0.0	–	0.0	0.0	–	12.0	0.0	–	–	–
90.0	31.0	0.0	0.0	0.0	–	25.4	0.0	–	22.4	0.0	–	–	–
90.0	37.0	0.0	0.0	0.0	–	0.0	0.0	–	12.1	0.0	–	–	–
90.0	45.0	0.0	0.0	0.0	–	21.5	0.0	10.9	–	–	–	–	–
90.0	60.0	0.0	0.0	0.0	–	0.0	5.4	10.7	–	5.7	–	–	–
90.0	70.0	0.0	0.0	0.0	–	0.0	0.0	39.2	–	0.0	–	–	–
93.0	29.0	0.0	0.0	0.0	0.0	–	–	25.0	–	0.0	–	–	–
93.0	55.0	0.0	0.0	0.0	0.0	–	0.0	53.7	–	0.0	–	–	–
93.0	60.0	0.0	0.0	0.0	0.0	–	5.3	0.0	–	0.0	–	–	–
97.0	35.0	0.0	0.0	0.0	–	0.0	–	9.3	–	0.0	–	–	–
97.0	40.0	0.0	0.0	0.0	–	0.0	–	5.3	–	0.0	–	–	–

TABLE 4. (cont.)

Oxyjulis californica (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	45.0	0.0	0.0	0.0	-	0.0	-	28.6	-	0.0	-	-	-
97.0	50.0	0.0	0.0	0.0	-	0.0	-	42.3	-	0.0	-	-	-
97.0	55.0	0.0	0.0	0.0	-	0.0	-	67.8	-	0.0	-	-	-
97.0	60.0	0.0	0.0	0.0	-	8.4	-	10.7	-	0.0	-	-	-
100.0	35.0	0.0	0.0	0.0	-	0.0	-	5.0	-	0.0	-	-	-
100.0	45.0	0.0	0.0	0.0	-	0.0	-	9.7	-	0.0	-	-	-
100.0	50.0	0.0	0.0	0.0	-	11.5	-	0.0	-	0.0	-	-	-
103.0	30.0	0.0	0.0	0.0	-	0.0	-	0.0	-	34.4	-	-	-
103.0	40.0	0.0	-	0.0	-	0.0	-	6.7	-	0.0	-	-	-
103.0	45.0	0.0	-	0.0	-	12.0	-	0.0	-	0.0	-	-	-
103.0	50.0	0.0	0.0	0.0	-	0.0	-	17.4	-	0.0	-	-	-
103.0	60.0	0.0	0.0	0.0	-	-	-	8.5	-	0.0	-	-	-
107.0	31.0	4.5	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	-
107.0	32.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	46.7	-	-	-
107.0	40.0	0.0	0.0	0.0	-	0.0	-	42.0	-	0.0	-	-	-
107.0	50.0	0.0	0.0	0.0	-	0.0	-	5.3	-	0.0	-	-	-
110.0	35.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	11.5	-	-	-
113.0	80.0	-	0.0	0.0	-	-	-	0.0	-	5.8	-	-	-
117.0	35.0	-	0.0	0.0	-	-	-	-	0.0	10.3	-	-	-
117.0	40.0	-	0.0	0.0	-	-	-	-	0.0	17.7	-	-	-
119.0	33.0	-	4.4	-	0.0	-	-	-	0.0	0.0	-	-	-
123.0	45.0	-	0.0	-	0.0	-	-	-	-	6.0	-	-	-

Semicossyphus pulcher

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
107.0	32.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	11.7	-	-	-
117.0	40.0	-	0.0	0.0	-	-	-	-	0.0	5.9	-	-	-
120.0	60.0	-	0.0	-	0.0	-	-	-	0.0	5.9	-	-	-
133.0	40.0	-	0.0	-	0.0	-	-	-	6.2	0.0	-	-	-

Chromis punctipinnis

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
82.0	47.0	-	0.0	-	0.0	0.0	-	-	0.0	11.8	-	-	-
87.0	36.0	5.5	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
90.0	31.0	0.0	0.0	0.0	-	0.0	11.1	-	0.0	0.0	-	-	-
93.0	26.7	0.0	0.0	0.0	0.0	-	0.0	0.0	38.9	-	-	-	-
93.0	50.0	0.0	0.0	0.0	0.0	-	9.6	0.0	-	0.0	-	-	-
97.0	45.0	0.0	0.0	0.0	-	0.0	-	5.0	-	0.0	-	-	-
110.0	32.4	0.0	0.0	0.0	-	0.0	-	0.0	0.0	9.0	-	-	-
110.0	40.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	25.9	-	-	-
119.0	33.0	-	0.0	-	0.0	-	-	-	26.8	0.0	-	-	-
120.0	25.0	-	0.0	-	0.0	-	-	-	0.0	43.4	-	-	-

TABLE 4. (cont.)

Chromis punctipinnis (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0 30.0	-	0.0	-	0.0	-	-	-	18.2	0.0	-	-	-
120.0 45.0	-	0.0	-	0.0	-	-	-	0.0	11.1	-	-	-
123.0 37.0	-	0.0	-	0.0	-	-	-	0.0	5.8	-	-	-
123.0 42.0	-	0.0	-	-	-	-	-	-	5.6	-	-	-
123.0 45.0	-	0.0	-	0.0	-	-	-	-	12.1	-	-	-

Mugil spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
133.0 23.0	-	0.0	-	0.0	-	-	-	0.0	12.1	-	-	-

Howella brodiei

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0 80.0	-	0.0	-	0.0	-	0.0	-	11.3	0.0	-	-	-
70.0 90.0	-	0.0	-	0.0	-	0.0	-	0.0	10.6	-	-	-
90.0 160.0	-	-	-	-	5.3	-	0.0	-	5.2	-	-	-
90.0 190.0	-	-	-	-	0.0	-	5.7	-	-	-	-	-
93.0 110.0	-	-	-	-	0.0	-	5.4	-	5.4	-	-	-
93.0 140.0	-	-	-	-	5.4	-	0.0	-	0.0	-	-	-
93.0 170.0	-	-	-	-	5.3	-	0.0	-	-	-	-	-

Brama spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
67.0 90.0	-	0.0	-	0.0	-	0.0	-	0.0	5.5	-	-	-
90.0 70.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	5.7	-	-	-
90.0 160.0	-	-	-	-	0.0	-	0.0	-	5.2	-	-	-
90.0 170.0	-	-	-	-	0.0	-	5.1	-	-	-	-	-
93.0 130.0	-	-	-	-	16.4	-	0.0	-	0.0	-	-	-
93.0 160.0	-	-	-	-	0.0	-	0.0	-	5.3	-	-	-
107.0 70.0	-	6.2	0.0	-	-	-	0.0	-	0.0	-	-	-

Carangidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0 50.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	12.3	-	-	-
120.0 24.0	-	0.0	-	0.0	-	-	-	0.0	4.8	-	-	-
120.0 45.0	-	0.0	-	0.0	-	-	-	0.0	11.1	-	-	-
123.0 37.0	-	0.0	-	4.6	-	-	-	0.0	0.0	-	-	-
133.0 23.0	-	0.0	-	0.0	-	-	-	5.5	267.1	-	-	-
133.0 25.0	-	0.0	-	0.0	-	-	-	5.5	0.0	-	-	-

TABLE 4. (cont.)

Carangidae (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
133.0	40.0	-	0.0	-	0.0	-	-	-	0.0	5.9	-	-	-

Seriola lalandi

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	60.0	0.0	0.0	0.0	-	-	-	0.0	-	9.6	-	-	-
113.0	50.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	24.7	-	-	-
117.0	45.0	-	0.0	0.0	-	-	-	-	6.1	0.0	-	-	-
123.0	42.0	-	0.0	-	-	-	-	-	-	5.6	-	-	-
127.0	50.0	-	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-
130.0	28.0	-	0.0	-	0.0	-	-	-	0.0	14.2	-	-	-
137.0	35.0	-	0.0	-	0.0	-	-	-	0.0	5.1	-	-	-

Trachurus symmetricus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	65.0	-	0.0	-	-	-	-	-	21.9	0.0	-	-	-
63.0	60.0	-	0.0	-	0.0	0.0	9.0	-	0.0	0.0	-	-	-
63.0	65.0	-	0.0	-	0.0	-	-	-	50.1	0.0	-	-	-
63.0	80.0	-	0.0	-	-	-	27.9	-	0.0	-	-	-	-
63.0	90.0	-	-	-	-	-	19.9	-	0.0	0.0	-	-	-
67.0	60.0	-	0.0	-	0.0	0.0	11.8	-	0.0	0.0	-	-	-
67.0	70.0	-	0.0	-	0.0	-	264.7	-	0.0	11.0	-	-	-
67.0	80.0	-	0.0	-	0.0	-	12.2	-	0.0	-	-	-	-
70.0	53.0	-	0.0	-	0.0	0.0	49.0	-	0.0	0.0	-	-	-
70.0	60.0	-	0.0	-	0.0	0.0	74.6	-	0.0	0.0	-	-	-
70.0	65.0	-	0.0	-	0.0	10.3	-	-	0.0	0.0	-	-	-
70.0	70.0	-	0.0	-	0.0	0.0	22.7	-	0.0	0.0	-	-	-
70.0	80.0	-	0.0	-	0.0	-	48.5	-	0.0	0.0	-	-	-
70.0	90.0	-	0.0	-	0.0	-	103.7	-	0.0	0.0	-	-	-
73.0	50.0	-	0.0	-	0.0	0.0	10.0	-	0.0	0.0	-	-	-
73.0	53.0	-	0.0	-	0.0	0.0	84.1	-	0.0	0.0	-	-	-
73.0	60.0	-	0.0	-	0.0	11.6	134.9	-	11.1	0.0	-	-	-
73.0	70.0	-	0.0	-	0.0	0.0	46.4	-	0.0	0.0	-	-	-
73.0	80.0	-	0.0	-	0.0	-	60.5	-	0.0	0.0	-	-	-
73.0	90.0	-	0.0	-	10.0	-	22.9	-	0.0	0.0	-	-	-
77.0	60.0	-	0.0	-	24.9	0.0	683.8	-	0.0	0.0	-	-	-
77.0	65.0	-	0.0	-	11.0	11.0	-	-	0.0	0.0	-	-	-
77.0	70.0	-	0.0	-	22.3	25.1	23.7	-	0.0	0.0	-	-	-
77.0	80.0	-	0.0	-	11.1	-	148.3	-	0.0	0.0	-	-	-
77.0	90.0	-	0.0	-	16.5	-	18.1	-	0.0	0.0	-	-	-
80.0	55.0	-	0.0	-	10.7	0.0	0.0	-	0.0	0.0	-	-	-
80.0	60.0	-	0.0	-	20.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	70.0	-	0.0	-	44.5	0.0	12.5	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	80.0	-	0.0	-	104.6	-	0.0	-	0.0	0.0	-	-	-
80.0	90.0	-	0.0	-	0.0	-	4.9	-	0.0	0.0	-	-	-
83.0	55.0	0.0	0.0	-	16.2	0.0	-	-	0.0	0.0	-	-	-
83.0	60.0	0.0	0.0	-	9.8	9.5	8.6	-	0.0	0.0	-	-	-
83.0	70.0	0.0	0.0	-	39.8	20.7	10.3	-	0.0	0.0	-	-	-
83.0	80.0	0.0	0.0	-	55.1	-	25.5	-	0.0	0.0	-	-	-
83.0	90.0	-	0.0	-	4.9	-	4.9	-	0.0	0.0	-	-	-
87.0	34.0	0.0	0.0	-	0.0	0.0	-	-	20.6	0.0	-	-	-
87.0	36.0	0.0	0.0	-	0.0	0.0	-	-	59.2	0.0	-	-	-
87.0	40.0	0.0	0.0	-	0.0	0.0	218.9	-	0.0	0.0	-	-	-
87.0	45.0	0.0	0.0	-	0.0	0.0	0.0	-	26.9	0.0	-	-	-
87.0	55.0	0.0	0.0	41.9	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	60.0	0.0	0.0	36.3	-	39.6	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	97.8	-	16.2	0.0	-	0.0	0.0	-	-	-
87.0	80.0	0.0	0.0	5.7	-	-	0.0	-	0.0	0.0	-	-	-
87.0	90.0	-	0.0	12.0	-	-	0.0	-	0.0	0.0	-	-	-
90.0	31.0	0.0	0.0	0.0	-	0.0	0.0	-	22.4	0.0	-	-	-
90.0	33.0	0.0	0.0	0.0	-	0.0	0.0	-	160.3	0.0	-	-	-
90.0	37.0	0.0	0.0	0.0	-	0.0	22.0	-	24.3	0.0	-	-	-
90.0	45.0	0.0	0.0	0.0	-	10.8	0.0	21.7	-	-	-	-	-
90.0	53.0	0.0	0.0	6.0	-	0.0	0.0	24.5	-	0.0	-	-	-
90.0	60.0	0.0	0.0	1302.9	-	47.9	0.0	5.4	-	0.0	-	-	-
90.0	70.0	0.0	0.0	0.0	-	0.0	5.2	70.5	-	0.0	-	-	-
90.0	80.0	0.0	0.0	0.0	-	0.0	21.3	0.0	-	0.0	-	-	-
90.0	90.0	-	0.0	23.6	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	100.0	-	0.0	0.0	-	0.0	-	10.7	-	0.0	-	-	-
93.0	28.0	0.0	0.0	0.0	0.0	-	9.8	0.0	-	0.0	-	-	-
93.0	29.0	0.0	0.0	0.0	0.0	-	-	25.0	-	0.0	-	-	-
93.0	30.0	0.0	0.0	0.0	0.0	-	0.0	69.8	-	0.0	-	-	-
93.0	35.0	0.0	0.0	0.0	0.0	-	0.0	70.7	-	0.0	-	-	-
93.0	45.0	0.0	0.0	12.3	12.3	-	11.8	0.0	-	0.0	-	-	-
93.0	50.0	0.0	0.0	18.4	103.4	-	0.0	66.7	-	0.0	-	-	-
93.0	55.0	0.0	0.0	29.8	46.9	-	0.0	53.7	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	68.6	-	5.3	15.9	-	0.0	-	-	-
93.0	70.0	0.0	0.0	5.4	0.0	-	4.9	0.0	-	0.0	-	-	-
93.0	80.0	5.4	0.0	0.0	-	0.0	5.2	5.1	-	0.0	-	-	-
93.0	100.0	-	0.0	0.0	-	5.6	-	0.0	-	0.0	-	-	-
93.5	29.0	-	-	-	-	-	-	14.3	0.0	-	-	-	-
97.0	30.0	0.0	0.0	0.0	-	4.4	-	0.0	-	0.0	-	-	-
97.0	35.0	0.0	0.0	0.0	-	26.9	-	0.0	-	0.0	-	-	-
97.0	40.0	0.0	0.0	0.0	-	371.1	-	0.0	-	0.0	-	-	-
97.0	45.0	0.0	0.0	0.0	-	211.7	-	90.5	-	0.0	-	-	-
97.0	50.0	0.0	0.0	17.8	-	5.1	-	54.5	-	0.0	-	-	-
97.0	55.0	0.0	0.0	0.0	-	5.3	-	17.0	-	0.0	-	-	-
97.0	70.0	-	5.0	5.5	-	14.7	-	0.0	-	0.0	-	-	-
97.0	90.0	-	0.0	5.4	-	0.0	0.0	-	-	0.0	-	-	-

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	35.0	0.0	0.0	0.0	-	21.1	-	0.0	-	0.0	-	-	-
100.0	45.0	0.0	0.0	0.0	-	83.5	-	0.0	-	0.0	-	-	-
100.0	50.0	0.0	5.4	0.0	-	34.6	-	0.0	-	0.0	-	-	-
100.0	60.0	0.0	0.0	5.7	-	5.7	-	0.0	-	0.0	-	-	-
100.0	70.0	0.0	0.0	0.0	-	-	-	5.1	-	0.0	-	-	-
103.0	29.0	0.0	0.0	0.0	-	0.0	-	0.0	-	6.1	-	-	-
103.0	30.0	0.0	0.0	0.0	-	0.0	-	0.0	-	11.5	-	-	-
103.0	35.0	0.0	-	0.0	-	66.7	-	0.0	-	0.0	-	-	-
103.0	50.0	0.0	3.8	0.0	-	0.0	-	23.2	-	0.0	-	-	-
103.0	60.0	0.0	0.0	0.0	-	-	-	2.8	-	0.0	-	-	-
107.0	31.0	0.0	0.0	0.0	-	0.0	-	-	0.0	13.2	-	-	-
107.0	50.0	0.0	0.0	0.0	-	16.8	-	0.0	-	0.0	-	-	-
107.0	70.0	-	0.0	0.0	-	-	-	5.4	-	0.0	-	-	-
110.0	32.4	0.0	0.0	0.0	-	0.0	-	0.0	0.0	9.0	-	-	-
110.0	45.0	0.0	0.0	0.0	-	33.2	-	0.0	-	0.0	-	-	-
110.0	50.0	0.0	0.0	0.0	-	96.3	-	0.0	0.0	0.0	-	-	-
130.0	28.0	-	0.0	-	0.0	-	-	-	0.0	4.7	-	-	-

Caristius macropus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	60.0	0.0	0.0	0.0	-	-	-	0.0	0.0	6.3	-	-	-
120.0	80.0	-	0.0	-	0.0	-	-	-	5.7	0.0	-	-	-

Coryphaena hippurus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
123.0	45.0	-	0.0	-	0.0	-	-	-	-	6.0	-	-	-
137.0	40.0	-	0.0	-	0.0	-	-	-	0.0	6.0	-	-	-

Gerreidae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	24.0	-	0.0	-	0.0	-	-	-	4.3	0.0	-	-	-
123.0	36.0	-	0.0	-	0.0	-	-	-	0.0	46.9	-	-	-
133.0	23.0	-	0.0	-	0.0	-	-	-	0.0	48.6	-	-	-

Haemulidae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	25.0	-	0.0	-	0.0	-	-	-	0.0	5.4	-	-	-
120.0	30.0	-	0.0	-	0.0	-	-	-	24.2	0.0	-	-	-

TABLE 4. (cont.)

Haemulidae (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	40.0	–	0.0	–	0.0	–	–	–	0.0	73.9	–	–	–
120.0	45.0	–	0.0	–	0.0	–	–	–	5.5	0.0	–	–	–
127.0	33.0	–	0.0	–	0.0	–	–	–	0.0	8.1	–	–	–
127.0	40.0	–	–	–	0.0	–	–	–	33.7	0.0	–	–	–
127.0	45.0	–	0.0	–	0.0	–	–	–	0.0	5.3	–	–	–
130.0	28.0	–	0.0	–	0.0	–	–	–	0.0	9.5	–	–	–
130.0	30.0	–	0.0	–	0.0	–	–	–	11.7	0.0	–	–	–
133.0	23.0	–	0.0	–	0.0	–	–	–	71.5	36.4	–	–	–
137.0	22.0	–	0.0	–	0.0	–	–	–	16.1	–	–	–	–

Girella nigricans

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	32.5	3.3	0.0	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
87.0	32.7	0.0	0.0	–	0.0	0.0	0.0	–	0.0	4.7	–	–	–
113.0	35.0	0.0	0.0	0.0	–	0.0	–	–	–	5.8	–	–	–
133.0	23.0	–	0.0	–	0.0	–	–	–	5.5	0.0	–	–	–

Medialuna californiensis

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
77.0	90.0	–	0.0	–	0.0	–	6.0	–	0.0	0.0	–	–	–

Caulolatilus princeps

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	25.0	–	0.0	–	0.0	–	–	–	0.0	16.3	–	–	–
133.0	35.0	–	0.0	–	4.7	–	–	–	0.0	0.0	–	–	–

Sciaenidae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	–	0.0	–	282.9	9.8	–	–	0.0	9.5	–	–	–
60.0	52.0	–	5.0	–	–	–	–	–	–	–	–	–	–
60.0	52.5	–	–	–	10.0	74.7	0.0	–	0.0	0.0	–	–	–
60.0	55.0	–	10.5	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
63.0	50.0	–	136.0	–	220.2	135.0	–	–	0.0	0.0	–	–	–
63.0	52.0	–	84.2	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
66.0	49.0	–	23.6	–	0.0	0.0	–	–	0.0	19.5	–	–	–
67.0	55.0	–	9.9	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
73.0	50.0	–	0.0	–	49.2	0.0	0.0	–	0.0	0.0	–	–	–
77.0	48.0	–	0.0	–	4.5	0.0	–	–	0.0	–	–	–	–

TABLE 4. (cont.)

Sciaenidae (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
77.0	51.0	-	10.3	-	21.8	0.0	0.0	-	0.0	0.0	-	-	-
77.0	55.0	-	13.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	51.0	-	0.0	-	163.7	0.0	0.0	-	0.0	0.0	-	-	-
80.0	52.0	-	0.0	-	62.2	0.0	-	-	0.0	0.0	-	-	-
82.0	47.0	-	32.1	-	0.0	0.0	-	-	0.0	0.0	-	-	-
83.0	40.6	-	944.9	-	-	0.0	0.0	-	0.0	17.6	-	-	-
83.0	42.0	-	59.8	-	132.5	0.0	0.0	-	0.0	12.2	-	-	-
83.0	51.0	0.0	0.0	-	8.5	0.0	-	-	0.0	0.0	-	-	-
83.0	55.0	0.0	0.0	-	0.0	0.0	-	-	27.0	0.0	-	-	-
87.0	32.5	272.2	71.6	-	225.7	5.8	0.0	-	4.1	19.8	-	-	-
87.0	32.7	1636.8	249.9	-	395.2	25.5	0.0	-	4.2	23.6	-	-	-
87.0	33.0	1203.7	100.3	-	1046.4	19.8	0.0	-	14.7	0.0	-	-	-
87.0	34.0	24.0	19.9	-	1189.0	10.1	-	-	0.0	0.0	-	-	-
87.0	35.0	43.9	97.2	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	36.0	0.0	16.9	-	316.9	0.0	-	-	0.0	0.0	-	-	-
87.0	40.0	0.0	0.0	-	46.6	0.0	0.0	-	0.0	0.0	-	-	-
90.0	27.6	193.2	217.9	281.4	-	172.9	0.0	-	0.0	79.0	-	-	-
90.0	28.0	309.9	0.0	88.2	-	219.1	0.0	-	0.0	55.9	-	-	-
90.0	29.0	0.0	5.5	0.0	-	135.2	0.0	-	0.0	22.0	-	-	-
90.0	30.0	0.0	52.4	0.0	-	96.8	0.0	-	0.0	0.0	-	-	-
90.0	31.0	0.0	5.8	0.0	-	177.9	0.0	-	0.0	0.0	-	-	-
90.0	37.0	9.9	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
93.0	26.7	0.0	21.9	352.3	624.1	-	4.8	0.0	29.2	-	-	-	-
93.0	26.9	0.0	24.7	272.5	93.1	-	0.0	-	0.0	-	-	-	-
93.0	28.0	0.0	61.2	100.3	298.0	-	0.0	0.0	-	0.0	-	-	-
93.0	29.0	5.6	5.4	0.0	33.4	-	-	0.0	-	0.0	-	-	-
97.0	29.0	11.0	4.7	541.7	-	37.2	-	0.0	-	0.0	-	-	-
97.0	30.0	6.0	0.0	142.0	-	4.4	-	66.4	-	0.0	-	-	-
97.0	32.0	0.0	0.0	11.7	-	0.0	-	0.0	-	0.0	-	-	-
100.0	29.0	0.0	0.0	31.1	-	9.9	-	0.0	-	0.0	-	-	-
100.0	45.0	0.0	0.0	0.0	-	31.3	-	0.0	-	0.0	-	-	-
103.0	29.0	795.8	148.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	30.0	677.0	39.5	4.6	-	10.0	-	0.0	-	34.4	-	-	-
103.0	40.0	0.0	-	11.1	-	0.0	-	0.0	-	0.0	-	-	-
107.0	31.0	26.9	36.2	59.3	-	0.0	-	-	0.0	0.0	-	-	-
107.0	32.0	0.0	0.0	0.0	-	17.6	-	0.0	0.0	0.0	-	-	-
110.0	32.4	48.6	25.5	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	50.0	0.0	0.0	10.6	-	0.0	-	0.0	0.0	0.0	-	-	-
113.0	29.0	8.6	45.5	0.0	-	4.6	-	-	0.0	202.5	-	-	-
113.0	35.0	0.0	0.0	0.0	-	0.0	-	-	-	17.5	-	-	-
117.0	25.0	-	4.2	-	-	-	-	-	0.0	0.0	-	-	-
120.0	24.0	-	0.0	-	0.0	-	-	-	0.0	85.5	-	-	-
120.0	25.0	-	0.0	-	0.0	-	-	-	0.0	5.4	-	-	-
130.0	28.0	-	0.0	-	0.0	-	-	-	0.0	4.7	-	-	-
133.0	23.0	-	25.2	-	0.0	-	-	-	11.0	12.1	-	-	-
137.0	22.0	-	13.2	-	0.0	-	-	-	21.4	-	-	-	-

TABLE 4. (cont.)

Serranidae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
82.0	47.0	-	0.0	-	0.0	0.0	-	-	0.0	23.6	-	-	-
83.0	42.0	-	0.0	-	0.0	0.0	0.0	-	0.0	48.9	-	-	-
83.0	55.0	0.0	0.0	-	0.0	0.0	-	-	13.5	0.0	-	-	-
87.0	32.5	0.0	0.0	-	0.0	0.0	0.0	-	0.0	9.9	-	-	-
87.0	32.7	0.0	0.0	-	0.0	0.0	0.0	-	0.0	14.2	-	-	-
87.0	40.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	11.3	-	-	-
90.0	29.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	11.0	-	-	-
93.0	26.7	0.0	0.0	0.0	0.0	-	0.0	9.8	9.7	-	-	-	-
97.0	29.0	0.0	0.0	0.0	-	0.0	-	0.0	-	10.1	-	-	-
110.0	45.0	0.0	0.0	0.0	-	0.0	-	0.0	-	6.6	-	-	-
113.0	29.0	0.0	0.0	0.0	-	0.0	-	-	0.0	4.7	-	-	-
113.0	30.0	0.0	0.0	0.0	-	0.0	-	-	0.0	5.1	-	-	-
113.0	35.0	0.0	0.0	0.0	-	0.0	-	-	-	5.8	-	-	-
113.0	40.0	5.0	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	-
113.0	50.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	24.7	-	-	-
117.0	25.0	-	0.0	-	-	-	-	-	0.0	28.5	-	-	-
117.0	35.0	-	0.0	0.0	-	-	-	-	0.0	10.3	-	-	-
120.0	24.0	-	0.0	-	0.0	-	-	-	13.0	104.5	-	-	-
120.0	25.0	-	0.0	-	0.0	-	-	-	0.0	32.5	-	-	-
120.0	30.0	-	0.0	-	0.0	-	-	-	12.1	0.0	-	-	-
120.0	35.0	-	0.0	-	0.0	-	-	-	5.6	0.0	-	-	-
120.0	40.0	-	0.0	-	0.0	-	-	-	25.1	0.0	-	-	-
127.0	40.0	-	-	-	0.0	-	-	-	22.5	0.0	-	-	-
127.0	50.0	-	0.0	-	0.0	-	-	-	6.7	0.0	-	-	-
130.0	28.0	-	0.0	-	0.0	-	-	-	19.8	28.4	-	-	-
133.0	23.0	-	0.0	-	0.0	-	-	-	11.0	315.6	-	-	-
133.0	25.0	-	0.0	-	0.0	-	-	-	5.5	0.0	-	-	-
137.0	22.0	-	0.0	-	0.0	-	-	-	21.4	-	-	-	-
137.0	35.0	-	0.0	-	0.0	-	-	-	0.0	15.3	-	-	-

Gempylidae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	140.0	-	-	-	-	5.2	-	0.0	-	0.0	-	-	-
90.0	150.0	-	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0	180.0	-	-	-	-	0.0	-	5.0	-	5.4	-	-	-
90.0	200.0	-	-	-	-	0.0	-	5.0	-	-	-	-	-
93.0	110.0	-	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0	140.0	-	-	-	-	0.0	-	4.7	-	0.0	-	-	-
93.0	150.0	-	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0	160.0	-	-	-	-	0.0	-	0.0	-	5.3	-	-	-
93.0	180.0	-	-	-	-	0.0	-	5.2	-	5.6	-	-	-
93.0	200.0	-	-	-	-	5.0	-	0.0	-	-	-	-	-

TABLE 4. (cont.)

Scombridae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0 24.0	-	0.0	-	0.0	-	-	-	0.0	4.8	-	-	-

Auxis spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
133.0 23.0	-	0.0	-	0.0	-	-	-	0.0	6.1	-	-	-
133.0 60.0	-	0.0	-	0.0	-	-	-	0.0	5.9	-	-	-

Euthynnus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
133.0 23.0	-	0.0	-	0.0	-	-	-	0.0	6.1	-	-	-

Scomber japonicus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0 42.0	-	0.0	-	0.0	0.0	9.3	-	96.6	0.0	-	-	-
83.0 51.0	0.0	0.0	-	0.0	0.0	-	-	0.0	20.6	-	-	-
83.0 55.0	0.0	0.0	-	0.0	0.0	-	-	40.5	0.0	-	-	-
83.0 60.0	0.0	0.0	-	0.0	0.0	0.0	-	100.4	0.0	-	-	-
87.0 35.0	0.0	0.0	-	0.0	0.0	0.0	-	24.3	0.0	-	-	-
87.0 36.0	0.0	0.0	-	0.0	0.0	-	-	47.3	0.0	-	-	-
87.0 40.0	0.0	0.0	-	0.0	0.0	510.7	-	48.6	0.0	-	-	-
87.0 50.0	0.0	0.0	0.0	-	0.0	0.0	-	11.4	0.0	-	-	-
87.0 55.0	0.0	0.0	0.0	-	0.0	0.0	-	67.0	0.0	-	-	-
90.0 27.6	0.0	0.0	0.0	-	14.8	0.0	-	0.0	0.0	-	-	-
90.0 28.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	11.2	-	-	-
90.0 29.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	55.0	-	-	-
90.0 30.0	0.0	0.0	0.0	-	0.0	74.8	-	12.0	0.0	-	-	-
90.0 31.0	0.0	0.0	0.0	-	0.0	133.4	-	22.4	0.0	-	-	-
90.0 33.0	0.0	0.0	0.0	-	0.0	500.8	-	10.0	0.0	-	-	-
90.0 37.0	0.0	0.0	0.0	-	0.0	32.9	-	36.4	0.0	-	-	-
90.0 53.0	0.0	0.0	0.0	-	0.0	0.0	24.5	-	0.0	-	-	-
90.0 60.0	0.0	0.0	0.0	-	0.0	0.0	10.7	-	0.0	-	-	-
90.0 70.0	0.0	0.0	0.0	-	0.0	0.0	7.8	-	0.0	-	-	-
93.0 26.7	0.0	0.0	0.0	0.0	-	0.0	58.6	19.4	-	-	-	-
93.0 26.9	0.0	0.0	0.0	5.2	-	0.0	-	0.0	-	-	-	-
93.0 28.0	0.0	0.0	0.0	0.0	-	0.0	159.7	-	0.0	-	-	-
93.0 29.0	0.0	0.0	0.0	0.0	-	-	149.7	-	0.0	-	-	-
93.0 40.0	0.0	0.0	0.0	0.0	-	23.0	0.0	-	0.0	-	-	-
93.0 45.0	0.0	0.0	0.0	12.3	-	11.8	0.0	-	0.0	-	-	-
93.0 50.0	0.0	0.0	0.0	0.0	-	0.0	55.6	-	0.0	-	-	-
93.0 55.0	0.0	0.0	0.0	0.0	-	0.0	13.4	-	0.0	-	-	-

TABLE 4. (cont.)

Scomber japonicus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	30.0	0.0	0.0	0.0	–	0.0	–	66.4	–	0.0	–	–	–
97.0	32.0	0.0	0.0	0.0	–	0.0	–	6.2	–	0.0	–	–	–
97.0	35.0	0.0	0.0	0.0	–	0.0	–	10.5	–	0.0	–	–	–
97.0	50.0	0.0	0.0	0.0	–	0.0	–	24.2	–	0.0	–	–	–
97.0	55.0	0.0	0.0	0.0	–	0.0	–	22.0	–	0.0	–	–	–
97.0	60.0	0.0	0.0	0.0	–	0.0	–	10.7	–	0.0	–	–	–
103.0	30.0	0.0	0.0	0.0	–	0.0	–	0.0	–	11.5	–	–	–
107.0	32.0	0.0	0.0	0.0	–	0.0	–	0.0	0.0	350.2	–	–	–
110.0	32.4	0.0	0.0	0.0	–	0.0	–	0.0	0.0	197.1	–	–	–
113.0	35.0	0.0	0.0	0.0	–	0.0	–	–	–	23.4	–	–	–
117.0	25.0	–	0.0	–	–	–	–	–	9.7	57.0	–	–	–
119.0	33.0	–	0.0	–	0.0	–	–	–	21.4	0.0	–	–	–
120.0	24.0	–	0.0	–	0.0	–	–	–	8.6	361.0	–	–	–
120.0	25.0	–	0.0	–	0.0	–	–	–	0.0	607.0	–	–	–
120.0	35.0	–	0.0	–	0.0	–	–	–	5.6	0.0	–	–	–
123.0	42.0	–	0.0	–	–	–	–	–	–	5.6	–	–	–
130.0	28.0	–	4.6	–	0.0	–	–	–	0.0	28.4	–	–	–
133.0	23.0	–	15.1	–	0.0	–	–	–	27.5	42.5	–	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	16.4	0.0	–	–	–

Lepidopus xantusi

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	45.0	5.3	0.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
113.0	40.0	0.0	0.0	0.0	–	0.0	–	–	0.0	45.2	–	–	–
113.0	45.0	0.0	0.0	0.0	–	0.0	–	–	0.0	5.9	–	–	–
113.0	70.0	–	0.0	0.0	–	–	–	5.3	–	6.0	–	–	–
117.0	35.0	–	0.0	0.0	–	–	–	–	0.0	10.3	–	–	–
117.0	40.0	–	0.0	0.0	–	–	–	–	0.0	5.9	–	–	–
117.0	60.0	–	0.0	0.0	–	–	–	–	5.6	5.7	–	–	–
123.0	42.0	–	0.0	–	–	–	–	–	–	5.6	–	–	–
127.0	45.0	–	0.0	–	0.0	–	–	–	6.8	0.0	–	–	–
127.0	50.0	–	0.0	–	0.0	–	–	–	0.0	5.6	–	–	–

Sphyraena argentea

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	32.7	0.0	0.0	–	0.0	0.0	0.0	–	0.0	4.7	–	–	–
90.0	27.6	0.0	0.0	0.0	–	4.9	0.0	–	0.0	0.0	–	–	–
120.0	24.0	–	0.0	–	0.0	–	–	–	0.0	14.3	–	–	–
120.0	25.0	–	0.0	–	0.0	–	–	–	0.0	16.3	–	–	–
130.0	28.0	–	0.0	–	0.0	–	–	–	0.0	9.5	–	–	–

TABLE 4. (cont.)

Icichthys lockingtoni

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	60.0	–	0.0	–	0.0	0.0	0.0	–	10.8	0.0	–	–	–
60.0	65.0	–	0.0	–	–	–	–	–	21.9	0.0	–	–	–
60.0	70.0	–	6.1	–	0.0	–	0.0	–	0.0	0.0	–	–	–
60.0	80.0	–	0.0	–	–	–	9.6	–	0.0	21.9	–	–	–
60.0	90.0	–	–	–	–	–	0.0	–	0.0	5.7	–	–	–
63.0	60.0	–	0.0	–	0.0	0.0	0.0	–	0.0	10.9	–	–	–
63.0	65.0	–	0.0	–	0.0	–	–	–	25.0	0.0	–	–	–
67.0	55.0	–	0.0	–	0.0	11.0	0.0	–	13.5	0.0	–	–	–
67.0	60.0	–	0.0	–	0.0	11.0	0.0	–	23.2	0.0	–	–	–
67.0	65.0	–	0.0	–	0.0	–	–	–	44.5	11.7	–	–	–
67.0	70.0	–	0.0	–	0.0	–	31.8	–	11.5	0.0	–	–	–
67.0	90.0	–	0.0	–	0.0	–	0.0	–	5.6	0.0	–	–	–
70.0	53.0	–	0.0	–	0.0	0.0	24.5	–	10.0	0.0	–	–	–
70.0	60.0	–	0.0	–	0.0	0.0	12.4	–	0.0	0.0	–	–	–
70.0	65.0	–	0.0	–	10.4	0.0	–	–	9.7	0.0	–	–	–
70.0	70.0	–	11.9	–	10.5	0.0	0.0	–	32.7	11.2	–	–	–
70.0	90.0	–	0.0	–	11.1	–	0.0	–	0.0	0.0	–	–	–
73.0	50.0	–	0.0	–	0.0	0.0	20.0	–	10.8	0.0	–	–	–
73.0	53.0	–	0.0	–	0.0	0.0	24.0	–	37.3	0.0	–	–	–
73.0	60.0	–	10.8	–	0.0	0.0	0.0	–	11.1	0.0	–	–	–
73.0	65.0	–	0.0	–	18.3	0.0	–	–	0.0	0.0	–	–	–
73.0	70.0	–	0.0	–	8.1	0.0	11.6	–	0.0	0.0	–	–	–
73.0	90.0	–	0.0	–	5.0	–	0.0	–	0.0	0.0	–	–	–
77.0	51.0	–	0.0	–	0.0	10.4	0.0	–	0.0	0.0	–	–	–
77.0	60.0	–	0.0	–	12.5	0.0	53.6	–	9.8	0.0	–	–	–
77.0	65.0	–	0.0	–	11.0	11.0	–	–	0.0	0.0	–	–	–
77.0	70.0	–	0.0	–	0.0	0.0	47.5	–	0.0	0.0	–	–	–
77.0	80.0	–	0.0	–	11.1	–	0.0	–	0.0	0.0	–	–	–
77.0	90.0	–	0.0	–	0.0	–	0.0	–	5.5	0.0	–	–	–
80.0	70.0	–	0.0	–	0.0	0.0	0.0	–	10.9	0.0	–	–	–
80.0	80.0	–	0.0	–	10.5	–	20.7	–	11.4	0.0	–	–	–
80.0	90.0	–	0.0	–	0.0	–	9.8	–	20.4	0.0	–	–	–
83.0	55.0	0.0	0.0	–	8.1	0.0	–	–	0.0	0.0	–	–	–
83.0	60.0	0.0	0.0	–	9.8	0.0	17.2	–	0.0	0.0	–	–	–
83.0	70.0	0.0	0.0	–	10.0	0.0	0.0	–	23.8	0.0	–	–	–
83.0	80.0	0.0	0.0	–	0.0	–	25.5	–	0.0	0.0	–	–	–
87.0	35.0	0.0	0.0	–	0.0	0.0	0.0	–	12.1	0.0	–	–	–
87.0	60.0	0.0	0.0	0.0	–	0.0	0.0	–	32.1	10.8	–	–	–
87.0	70.0	6.0	0.0	0.0	–	10.8	0.0	–	0.0	0.0	–	–	–
87.0	80.0	0.0	0.0	0.0	–	–	5.0	–	0.0	0.0	–	–	–
90.0	60.0	0.0	0.0	12.3	–	0.0	5.4	5.4	–	0.0	–	–	–
90.0	70.0	0.0	0.0	0.0	–	0.0	0.0	15.7	–	0.0	–	–	–
90.0	90.0	–	0.0	5.9	–	0.0	0.0	0.0	–	0.0	–	–	–
93.0	45.0	0.0	0.0	0.0	0.0	–	11.8	0.0	–	0.0	–	–	–
93.0	90.0	–	0.0	6.3	–	0.0	0.0	0.0	–	0.0	–	–	–
100.0	70.0	0.0	0.0	5.2	–	–	–	0.0	–	0.0	–	–	–

TABLE 4. (cont.)

Icichthys lockingtoni (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
103.0 50.0	0.0	0.0	0.0	–	0.0	–	5.8	–	0.0	–	–	–
103.0 70.0	3.0	0.0	0.0	–	–	–	0.0	–	0.0	–	–	–
110.0 50.0	0.0	0.0	0.0	–	0.0	–	0.0	0.0	6.2	–	–	–

Cubiceps caeruleus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0 110.0	–	–	–	–	0.0	–	0.0	–	5.4	–	–	–

Psenes pellucidus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0 100.0	–	–	–	–	0.0	–	–	–	5.8	–	–	–
110.0 70.0	–	0.0	0.0	–	–	–	0.0	–	5.9	–	–	–
117.0 50.0	–	0.0	0.0	–	–	–	–	0.0	6.3	–	–	–
123.0 60.0	–	0.0	–	0.0	–	–	–	0.0	6.5	–	–	–
133.0 60.0	–	5.3	–	0.0	–	–	–	0.0	0.0	–	–	–
137.0 60.0	–	0.0	–	0.0	–	–	–	5.9	–	–	–	–

Peprilus simillimus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0 50.0	–	0.0	–	0.0	18.0	–	–	0.0	0.0	–	–	–
67.0 55.0	–	0.0	–	0.0	0.0	0.0	–	0.0	10.3	–	–	–
73.0 50.0	–	0.0	–	9.8	0.0	0.0	–	0.0	0.0	–	–	–
80.0 51.0	–	0.0	–	0.0	0.0	0.0	–	0.0	10.2	–	–	–
80.0 52.0	–	6.2	–	20.7	0.0	–	–	0.0	0.0	–	–	–
80.0 60.0	–	0.0	–	10.0	0.0	0.0	–	0.0	0.0	–	–	–
82.0 47.0	–	0.0	–	10.7	0.0	–	–	12.1	0.0	–	–	–
83.0 40.6	–	0.0	–	–	0.0	0.0	–	0.0	8.8	–	–	–
83.0 42.0	–	5.4	–	31.8	12.7	0.0	–	41.4	12.2	–	–	–
83.0 51.0	0.0	0.0	–	0.0	11.6	–	–	0.0	10.3	–	–	–
83.0 55.0	0.0	0.0	–	0.0	0.0	–	–	27.0	0.0	–	–	–
87.0 32.5	0.0	15.1	–	12.1	0.0	0.0	–	4.1	9.9	–	–	–
87.0 32.7	211.2	10.2	–	28.9	4.3	0.0	–	0.0	0.0	–	–	–
87.0 33.0	66.9	8.7	–	16.4	0.0	0.0	–	0.0	0.0	–	–	–
87.0 34.0	0.0	0.0	–	4.4	0.0	–	–	0.0	0.0	–	–	–
87.0 35.0	0.0	0.0	–	0.0	10.7	0.0	–	0.0	0.0	–	–	–
87.0 36.0	0.0	0.0	–	11.1	37.0	–	–	0.0	0.0	–	–	–
87.0 40.0	0.0	0.0	–	5.8	0.0	0.0	–	0.0	0.0	–	–	–
87.0 50.0	0.0	0.0	0.0	–	0.0	0.0	–	11.4	0.0	–	–	–
90.0 27.6	0.0	0.0	10.6	–	0.0	0.0	–	0.0	0.0	–	–	–
90.0 29.0	0.0	5.5	0.0	–	48.3	0.0	–	0.0	0.0	–	–	–

TABLE 4. (cont.)

Peprilus simillimus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	30.0	0.0	10.5	0.0	–	10.8	0.0	–	0.0	0.0	–	–	–
90.0	31.0	0.0	0.0	0.0	–	38.1	11.1	–	0.0	0.0	–	–	–
90.0	33.0	0.0	0.0	0.0	–	68.7	11.6	–	0.0	0.0	–	–	–
93.0	26.7	0.0	0.0	0.0	4.0	–	0.0	0.0	0.0	–	–	–	–
93.0	26.9	0.0	4.9	0.0	62.0	–	0.0	–	0.0	–	–	–	–
93.0	28.0	0.0	0.0	0.0	33.1	–	0.0	0.0	–	0.0	–	–	–
93.0	29.0	0.0	0.0	6.0	0.0	–	–	0.0	–	0.0	–	–	–
97.0	29.0	0.0	0.0	18.8	–	0.0	–	0.0	–	10.1	–	–	–
97.0	30.0	6.0	0.0	0.0	–	4.4	–	0.0	–	0.0	–	–	–
97.0	32.0	0.0	0.0	23.4	–	0.0	–	0.0	–	0.0	–	–	–
100.0	29.0	0.0	0.0	0.0	–	5.0	–	0.0	–	0.0	–	–	–
100.0	30.0	0.0	0.0	0.0	–	36.4	–	0.0	–	0.0	–	–	–
107.0	31.0	0.0	0.0	0.0	–	15.5	–	–	0.0	13.2	–	–	–
107.0	32.0	0.0	0.0	0.0	–	0.0	–	0.0	0.0	35.0	–	–	–
117.0	25.0	–	8.4	–	–	–	–	–	0.0	0.0	–	–	–
117.0	30.0	–	4.8	0.0	–	–	–	–	0.0	0.0	–	–	–
118.0	39.0	–	0.0	5.2	–	–	–	–	0.0	0.0	–	–	–
120.0	24.0	–	75.1	–	12.2	–	–	–	0.0	0.0	–	–	–
120.0	40.0	–	0.0	–	8.0	–	–	–	0.0	0.0	–	–	–
130.0	28.0	–	69.3	–	0.0	–	–	–	0.0	0.0	–	–	–
133.0	23.0	–	40.2	–	0.0	–	–	–	0.0	0.0	–	–	–
137.0	23.0	–	4.6	–	0.0	–	–	–	0.0	–	–	–	–

Tetragonurus cuvieri

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	80.0	–	0.0	–	–	–	9.3	–	0.0	–	–	–	–
63.0	90.0	–	–	–	–	–	0.0	–	0.0	5.6	–	–	–
67.0	90.0	–	0.0	–	0.0	–	0.0	–	0.0	5.5	–	–	–
70.0	90.0	–	0.0	–	0.0	–	0.0	–	5.1	5.3	–	–	–
73.0	70.0	–	0.0	–	0.0	0.0	0.0	–	0.0	11.2	–	–	–
77.0	80.0	–	0.0	–	0.0	–	0.0	–	14.8	0.0	–	–	–
83.0	40.6	–	0.0	–	–	4.3	0.0	–	0.0	0.0	–	–	–
87.0	60.0	0.0	0.0	0.0	–	0.0	0.0	–	0.0	10.8	–	–	–
90.0	53.0	0.0	0.0	0.0	–	0.0	12.3	0.0	–	0.0	–	–	–
90.0	90.0	–	0.0	0.0	–	0.0	0.0	5.4	–	0.0	–	–	–
97.0	100.0	–	–	–	–	0.0	–	–	–	5.8	–	–	–
100.0	70.0	10.1	0.0	0.0	–	–	–	0.0	–	0.0	–	–	–
100.0	80.0	0.0	0.0	0.0	–	5.0	–	0.0	–	0.0	–	–	–
103.0	50.0	25.7	0.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
103.0	60.0	0.0	4.7	0.0	–	–	–	2.8	–	0.0	–	–	–
103.0	70.0	0.0	0.0	5.1	–	–	–	0.0	–	0.0	–	–	–
107.0	90.0	–	–	–	–	–	–	0.0	–	5.7	–	–	–
110.0	50.0	0.0	0.0	0.0	–	0.0	–	0.0	0.0	6.2	–	–	–
113.0	45.0	0.0	0.0	0.0	–	0.0	–	–	0.0	5.9	–	–	–

TABLE 4. (cont.)

Tetragonurus cuvieri (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	50.0	0.0	0.0	0.0	–	0.0	–	10.8	0.0	0.0	–	–	–
117.0	50.0	–	0.0	0.0	–	–	–	–	0.0	6.3	–	–	–
117.0	60.0	–	0.0	0.0	–	–	–	–	5.6	0.0	–	–	–
118.0	39.0	–	0.0	0.0	–	–	–	–	0.0	6.2	–	–	–
120.0	70.0	–	0.0	–	0.0	–	–	–	0.0	6.4	–	–	–

Chiasmodontidae

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	120.0	–	–	–	–	0.0	–	0.0	–	5.3	–	–	–
93.0	70.0	0.0	0.0	0.0	5.0	–	0.0	0.0	–	0.0	–	–	–
93.0	90.0	–	0.0	0.0	–	0.0	4.9	0.0	–	0.0	–	–	–
97.0	60.0	0.0	0.0	6.0	–	0.0	–	0.0	–	0.0	–	–	–
97.0	70.0	–	5.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
97.0	80.0	–	0.0	0.0	–	9.7	0.0	–	–	0.0	–	–	–
97.0	90.0	–	0.0	0.0	–	5.3	0.0	–	–	0.0	–	–	–
100.0	70.0	5.1	0.0	0.0	–	–	–	0.0	–	0.0	–	–	–
100.0	80.0	0.0	0.0	0.0	–	5.0	–	0.0	–	0.0	–	–	–
100.0	90.0	2.6	4.5	0.0	–	0.0	–	0.0	–	0.0	–	–	–
103.0	60.0	0.0	0.0	10.8	–	–	–	0.0	–	0.0	–	–	–
103.0	70.0	3.0	0.0	5.1	–	–	–	2.8	–	0.0	–	–	–
107.0	40.0	0.0	0.0	0.0	–	8.2	–	0.0	–	0.0	–	–	–
107.0	45.0	0.0	4.8	0.0	–	0.0	–	–	–	0.0	–	–	–
107.0	60.0	0.0	5.2	5.5	–	–	–	0.0	–	0.0	–	–	–
107.0	70.0	–	0.0	0.0	–	–	–	5.4	–	0.0	–	–	–
110.0	40.0	4.9	0.0	5.1	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0	45.0	0.0	9.0	0.0	–	0.0	–	0.0	–	6.6	–	–	–
110.0	50.0	0.0	11.1	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
110.0	70.0	–	0.0	5.5	–	–	–	0.0	–	0.0	–	–	–
113.0	35.0	0.0	0.0	0.0	–	0.0	–	–	–	11.7	–	–	–
113.0	60.0	0.0	0.0	0.0	–	–	–	5.4	0.0	0.0	–	–	–
113.0	70.0	–	0.0	5.4	–	–	–	0.0	–	0.0	–	–	–
117.0	60.0	–	0.0	0.0	–	–	–	–	0.0	5.7	–	–	–
117.0	70.0	–	0.0	0.0	–	–	–	–	0.0	5.9	–	–	–
120.0	50.0	–	0.0	–	0.0	–	–	–	0.0	6.1	–	–	–
120.0	70.0	–	5.0	–	0.0	–	–	–	0.0	0.0	–	–	–
120.0	80.0	–	5.2	–	0.0	–	–	–	0.0	0.0	–	–	–
123.0	45.0	–	0.0	–	0.0	–	–	–	–	12.1	–	–	–
127.0	45.0	–	0.0	–	0.0	–	–	–	0.0	5.3	–	–	–
130.0	50.0	–	0.0	–	0.0	–	–	–	0.0	6.0	–	–	–
130.0	60.0	–	0.0	–	0.0	–	–	–	0.0	5.8	–	–	–
133.0	35.0	–	5.3	–	0.0	–	–	–	0.0	0.0	–	–	–
133.0	50.0	–	0.0	–	5.7	–	–	–	11.8	0.0	–	–	–
137.0	35.0	–	0.0	–	0.0	–	–	–	0.0	5.1	–	–	–

TABLE 4. (cont.)

Pleuronectiformes

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	53.0	-	0.0	-	0.0	0.0	12.2	-	0.0	0.0	-	-	-
127.0	34.0	-	4.2	-	0.0	-	-	-	0.0	0.0	-	-	-

Citharichthys spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	-	21.0	-	0.0	11.4	0.0	-	0.0	78.3	-	-	-
60.0	60.0	-	10.7	-	0.0	0.0	0.0	-	64.8	33.4	-	-	-
60.0	65.0	-	20.0	-	-	-	-	-	0.0	32.2	-	-	-
60.0	70.0	-	24.3	-	0.0	-	0.0	-	45.2	0.0	-	-	-
60.0	80.0	-	11.5	-	-	-	0.0	-	0.0	10.9	-	-	-
63.0	50.0	-	0.0	-	0.0	9.0	-	-	0.0	0.0	-	-	-
63.0	52.0	-	10.5	-	0.0	66.2	0.0	-	0.0	77.0	-	-	-
63.0	55.0	-	33.2	-	0.0	11.1	32.2	-	0.0	41.3	-	-	-
63.0	60.0	-	0.0	-	10.2	0.0	36.1	-	0.0	87.5	-	-	-
63.0	65.0	-	0.0	-	9.5	-	-	-	0.0	0.0	-	-	-
63.0	70.0	-	24.4	-	11.5	-	0.0	-	0.0	0.0	-	-	-
63.0	80.0	-	10.0	-	-	-	0.0	-	0.0	-	-	-	-
66.0	49.0	-	4.7	-	9.6	0.0	-	-	0.0	0.0	-	-	-
67.0	50.0	-	0.0	-	0.0	0.0	0.0	-	0.0	123.0	-	-	-
67.0	55.0	-	0.0	-	0.0	0.0	14.1	-	0.0	93.1	-	-	-
67.0	60.0	-	0.0	-	0.0	0.0	47.0	-	11.6	0.0	-	-	-
67.0	65.0	-	11.3	-	0.0	-	-	-	0.0	46.9	-	-	-
67.0	70.0	-	12.5	-	0.0	-	10.6	-	0.0	0.0	-	-	-
67.0	90.0	-	11.1	-	0.0	-	0.0	-	0.0	0.0	-	-	-
70.0	51.0	-	0.0	-	0.0	0.0	0.0	-	10.5	0.0	-	-	-
70.0	53.0	-	0.0	-	0.0	0.0	36.8	-	30.1	0.0	-	-	-
70.0	60.0	-	10.4	-	0.0	0.0	49.7	-	0.0	0.0	-	-	-
70.0	65.0	-	11.6	-	0.0	0.0	-	-	9.7	12.0	-	-	-
70.0	70.0	-	35.7	-	10.5	0.0	0.0	-	0.0	0.0	-	-	-
73.0	50.0	-	0.0	-	9.8	0.0	40.0	-	0.0	0.0	-	-	-
73.0	53.0	-	10.1	-	11.5	20.4	24.0	-	0.0	0.0	-	-	-
73.0	60.0	-	10.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	65.0	-	0.0	-	9.2	0.0	-	-	0.0	0.0	-	-	-
73.0	70.0	-	0.0	-	8.1	0.0	46.4	-	0.0	0.0	-	-	-
73.0	90.0	-	5.7	-	0.0	-	0.0	-	0.0	0.0	-	-	-
77.0	48.0	-	3.7	-	0.0	0.0	-	-	0.0	-	-	-	-
77.0	51.0	-	20.7	-	0.0	0.0	28.8	-	0.0	52.6	-	-	-
77.0	55.0	-	52.3	-	10.2	0.0	37.5	-	0.0	0.0	-	-	-
77.0	60.0	-	22.3	-	12.5	0.0	0.0	-	9.8	11.4	-	-	-
77.0	70.0	-	0.0	-	0.0	0.0	94.9	-	0.0	0.0	-	-	-
77.0	80.0	-	0.0	-	0.0	-	0.0	-	44.5	10.5	-	-	-
80.0	51.0	-	11.5	-	0.0	5.1	0.0	-	0.0	0.0	-	-	-
80.0	52.0	-	0.0	-	5.2	0.0	-	-	0.0	11.2	-	-	-
80.0	55.0	-	10.7	-	10.7	0.0	0.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	60.0	-	0.0	-	0.0	0.0	0.0	-	20.1	0.0	-	-	-
80.0	70.0	-	0.0	-	0.0	10.8	24.9	-	32.8	0.0	-	-	-
80.0	80.0	-	33.8	-	0.0	-	10.4	-	11.4	0.0	-	-	-
80.0	90.0	-	0.0	-	0.0	-	0.0	-	5.1	0.0	-	-	-
82.0	47.0	-	0.0	-	10.7	0.0	-	-	0.0	0.0	-	-	-
83.0	42.0	-	5.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	0.0	0.0	-	0.0	34.7	-	-	0.0	133.8	-	-	-
83.0	55.0	0.0	0.0	-	0.0	11.4	-	-	0.0	10.8	-	-	-
83.0	60.0	5.2	0.0	-	0.0	0.0	68.7	-	145.0	0.0	-	-	-
83.0	70.0	16.1	0.0	-	0.0	0.0	0.0	-	11.9	42.0	-	-	-
83.0	80.0	5.4	0.0	-	0.0	-	25.5	-	4.9	5.9	-	-	-
87.0	32.7	4.4	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	33.0	0.0	0.0	-	5.4	0.0	0.0	-	0.0	0.0	-	-	-
87.0	34.0	0.0	0.0	-	26.5	0.0	-	-	0.0	0.0	-	-	-
87.0	35.0	43.9	5.4	-	6.4	10.7	0.0	-	12.1	0.0	-	-	-
87.0	36.0	0.0	0.0	-	16.7	0.0	-	-	11.8	0.0	-	-	-
87.0	40.0	5.6	0.0	-	34.9	10.6	0.0	-	0.0	0.0	-	-	-
87.0	45.0	33.7	5.4	-	23.8	0.0	0.0	-	0.0	13.5	-	-	-
87.0	55.0	0.0	0.0	12.0	-	0.0	0.0	-	38.3	0.0	-	-	-
87.0	60.0	12.6	0.0	0.0	-	0.0	0.0	-	32.1	0.0	-	-	-
87.0	70.0	0.0	0.0	0.0	-	0.0	0.0	-	5.0	0.0	-	-	-
87.0	80.0	0.0	5.3	0.0	-	-	0.0	-	5.2	0.0	-	-	-
87.0	90.0	-	0.0	0.0	-	-	0.0	-	4.4	0.0	-	-	-
90.0	28.0	34.4	0.0	0.0	-	0.0	0.0	-	11.6	0.0	-	-	-
90.0	29.0	20.5	5.5	0.0	-	0.0	12.4	-	10.3	11.0	-	-	-
90.0	30.0	50.3	0.0	0.0	-	10.8	21.4	-	0.0	0.0	-	-	-
90.0	31.0	0.0	5.8	0.0	-	0.0	0.0	-	11.2	0.0	-	-	-
90.0	33.0	0.0	24.1	0.0	-	0.0	0.0	-	10.0	0.0	-	-	-
90.0	37.0	0.0	0.0	0.0	-	0.0	11.0	-	12.1	0.0	-	-	-
90.0	45.0	0.0	10.1	11.2	-	10.8	0.0	0.0	-	-	-	-	-
90.0	53.0	9.1	0.0	6.0	-	0.0	12.3	36.8	-	0.0	-	-	-
90.0	60.0	0.0	0.0	0.0	-	4.8	0.0	10.7	-	11.5	-	-	-
90.0	70.0	0.0	10.6	0.0	-	0.0	0.0	7.8	-	5.7	-	-	-
90.0	80.0	10.3	0.0	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	90.0	-	5.6	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	100.0	-	0.0	0.0	-	0.0	-	5.4	-	0.0	-	-	-
93.0	26.7	0.0	4.4	0.0	0.0	-	0.0	0.0	0.0	-	-	-	-
93.0	26.9	21.3	4.9	0.0	0.0	-	0.0	-	9.5	-	-	-	-
93.0	28.0	20.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	29.0	0.0	5.4	0.0	0.0	-	-	0.0	-	12.0	-	-	-
93.0	30.0	0.0	0.0	0.0	0.0	-	12.4	0.0	-	0.0	-	-	-
93.0	35.0	0.0	10.5	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	40.0	0.0	21.2	0.0	0.0	-	11.5	0.0	-	13.2	-	-	-
93.0	45.0	0.0	0.0	0.0	12.3	-	0.0	0.0	-	21.3	-	-	-
93.0	50.0	0.0	0.0	0.0	0.0	-	0.0	55.6	-	0.0	-	-	-
93.0	55.0	5.2	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	60.0	5.3	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	70.0	0.0	3.9	5.4	0.0	-	0.0	0.0	-	16.1	-	-	-
93.0	80.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	11.9	-	-	-
97.0	29.0	0.0	14.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	30.0	18.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	35.0	0.0	4.9	0.0	-	9.0	-	13.9	-	0.0	-	-	-
97.0	40.0	0.0	0.0	20.6	-	0.0	-	0.0	-	0.0	-	-	-
97.0	45.0	0.0	10.4	6.0	-	0.0	-	5.0	-	0.0	-	-	-
97.0	50.0	0.0	0.0	5.9	-	10.1	-	0.0	-	12.2	-	-	-
97.0	60.0	9.5	5.7	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	29.0	0.0	20.9	0.0	-	5.0	-	0.0	-	0.0	-	-	-
100.0	30.0	0.0	0.0	0.0	-	9.1	-	0.0	-	0.0	-	-	-
100.0	35.0	0.0	0.0	0.0	-	21.1	-	0.0	-	0.0	-	-	-
100.0	40.0	0.0	4.8	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	50.0	5.1	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	60.0	5.7	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	30.0	0.0	3.3	0.0	-	0.0	-	0.0	-	22.9	-	-	-
103.0	40.0	0.0	-	0.0	-	0.0	-	13.5	-	0.0	-	-	-
103.0	45.0	0.0	-	0.0	-	0.0	-	5.2	-	0.0	-	-	-
103.0	50.0	0.0	0.0	0.0	-	0.0	-	11.6	-	0.0	-	-	-
103.0	70.0	3.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	31.0	0.0	0.0	5.4	-	0.0	-	-	0.0	66.0	-	-	-
107.0	32.0	0.0	0.0	0.0	-	0.0	-	11.4	0.0	0.0	-	-	-
107.0	35.0	5.4	0.0	0.0	-	11.0	-	0.0	0.0	0.0	-	-	-
107.0	45.0	5.2	0.0	0.0	-	0.0	-	-	-	0.0	-	-	-
110.0	32.4	4.4	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	35.0	5.3	0.0	0.0	-	0.0	-	10.9	4.9	0.0	-	-	-
110.0	40.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	25.9	-	-	-
110.0	45.0	0.0	0.0	0.0	-	0.0	-	0.0	-	26.6	-	-	-
113.0	29.0	0.0	0.0	4.3	-	0.0	-	-	3.9	0.0	-	-	-
113.0	30.0	0.0	3.9	53.3	-	0.0	-	-	13.5	0.0	-	-	-
113.0	35.0	0.0	0.0	5.1	-	0.0	-	-	-	245.7	-	-	-
113.0	40.0	80.5	0.0	0.0	-	0.0	-	-	0.0	11.3	-	-	-
113.0	45.0	0.0	0.0	0.0	-	0.0	-	-	0.0	11.9	-	-	-
113.0	50.0	0.0	0.0	5.3	-	0.0	-	0.0	0.0	24.7	-	-	-
113.0	60.0	0.0	0.0	0.0	-	-	-	0.0	5.2	0.0	-	-	-
117.0	25.0	-	4.2	-	-	-	-	-	0.0	68.4	-	-	-
117.0	26.0	-	12.9	0.0	-	-	-	-	19.6	39.1	-	-	-
117.0	30.0	-	4.8	118.9	-	-	-	-	75.2	20.4	-	-	-
117.0	35.0	-	4.7	0.0	-	-	-	-	13.7	20.5	-	-	-
117.0	40.0	-	4.3	5.8	-	-	-	-	0.0	5.9	-	-	-
117.0	45.0	-	0.0	22.9	-	-	-	-	0.0	0.0	-	-	-
118.0	39.0	-	0.0	5.2	-	-	-	-	0.0	12.4	-	-	-
119.0	33.0	-	0.0	-	42.2	-	-	-	171.5	93.3	-	-	-
120.0	24.0	-	4.0	-	0.0	-	-	-	211.7	171.0	-	-	-
120.0	25.0	-	3.9	-	4.8	-	-	-	23.4	233.1	-	-	-

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	30.0	-	0.0	-	9.3	-	-	-	400.0	190.6	-	-	-
120.0	35.0	-	0.0	-	17.4	-	-	-	444.8	11.4	-	-	-
120.0	40.0	-	0.0	-	4.0	-	-	-	30.1	0.0	-	-	-
120.0	45.0	-	0.0	-	0.0	-	-	-	33.0	5.6	-	-	-
120.0	60.0	-	20.8	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	70.0	-	5.0	-	0.0	-	-	-	0.0	0.0	-	-	-
123.0	36.0	-	27.4	-	0.0	-	-	-	14.2	0.0	-	-	-
123.0	37.0	-	14.1	-	0.0	-	-	-	0.0	5.8	-	-	-
123.0	45.0	-	33.6	-	9.2	-	-	-	-	0.0	-	-	-
123.0	50.0	-	162.9	-	0.0	-	-	-	0.0	0.0	-	-	-
127.0	34.0	-	29.6	-	0.0	-	-	-	0.0	5.5	-	-	-
127.0	40.0	-	-	-	9.5	-	-	-	11.2	11.6	-	-	-
130.0	28.0	-	23.1	-	4.9	-	-	-	0.0	14.2	-	-	-
130.0	30.0	-	4.9	-	4.6	-	-	-	11.7	5.4	-	-	-
130.0	35.0	-	79.1	-	15.9	-	-	-	0.0	11.0	-	-	-
130.0	40.0	-	0.0	-	0.0	-	-	-	-	6.4	-	-	-
130.0	50.0	-	0.0	-	0.0	-	-	-	0.0	6.0	-	-	-
133.0	23.0	-	100.6	-	9.8	-	-	-	16.5	133.5	-	-	-
133.0	25.0	-	88.9	-	23.0	-	-	-	5.5	41.8	-	-	-
133.0	30.0	-	63.2	-	4.9	-	-	-	6.4	83.8	-	-	-
133.0	35.0	-	216.9	-	0.0	-	-	-	0.0	0.0	-	-	-
133.0	40.0	-	0.0	-	0.0	-	-	-	6.2	0.0	-	-	-
137.0	22.0	-	0.0	-	0.0	-	-	-	32.2	-	-	-	-
137.0	23.0	-	9.1	-	22.9	-	-	-	5.6	-	-	-	-
137.0	30.0	-	33.1	-	88.9	-	-	-	5.6	5.9	-	-	-
137.0	35.0	-	16.1	-	0.0	-	-	-	5.5	0.0	-	-	-
137.0	50.0	-	0.0	-	0.0	-	-	-	5.6	0.0	-	-	-

Citharichthys stigmaeus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	-	-	-	0.0	0.0	0.0	-	0.0	10.8	-	-	-
60.0	55.0	-	0.0	-	11.0	0.0	0.0	-	0.0	0.0	-	-	-
60.0	60.0	-	10.7	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
60.0	65.0	-	30.1	-	-	-	-	-	0.0	0.0	-	-	-
60.0	70.0	-	0.0	-	7.7	-	0.0	-	0.0	0.0	-	-	-
60.0	80.0	-	5.7	-	-	-	9.6	-	5.3	0.0	-	-	-
63.0	60.0	-	10.4	-	20.5	0.0	0.0	-	0.0	0.0	-	-	-
63.0	65.0	-	0.0	-	9.5	-	-	-	0.0	0.0	-	-	-
63.0	70.0	-	12.2	-	0.0	-	0.0	-	0.0	0.0	-	-	-
63.0	80.0	-	10.0	-	-	-	9.3	-	0.0	-	-	-	-
66.0	49.0	-	9.4	-	0.0	0.0	-	-	0.0	0.0	-	-	-
67.0	55.0	-	19.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
67.0	70.0	-	25.1	-	10.0	-	0.0	-	0.0	11.0	-	-	-
67.0	90.0	-	5.6	-	0.0	-	0.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Citharichthys stigmaeus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	53.0	-	0.0	-	0.0	0.0	24.5	-	10.0	0.0	-	-	-
70.0	60.0	-	10.4	-	0.0	0.0	12.4	-	0.0	10.5	-	-	-
70.0	65.0	-	0.0	-	0.0	10.3	-	-	0.0	0.0	-	-	-
70.0	70.0	-	11.9	-	10.5	0.0	0.0	-	0.0	0.0	-	-	-
73.0	50.0	-	0.0	-	19.7	0.0	0.0	-	0.0	0.0	-	-	-
73.0	53.0	-	10.1	-	23.0	0.0	24.0	-	12.4	0.0	-	-	-
73.0	60.0	-	10.8	-	29.9	0.0	6.1	-	0.0	0.0	-	-	-
73.0	65.0	-	0.0	-	18.3	10.7	-	-	0.0	0.0	-	-	-
73.0	70.0	-	25.7	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	80.0	-	24.3	-	0.0	-	0.0	-	0.0	0.0	-	-	-
73.0	90.0	-	0.0	-	5.0	-	0.0	-	0.0	0.0	-	-	-
77.0	51.0	-	0.0	-	32.8	0.0	0.0	-	0.0	0.0	-	-	-
77.0	60.0	-	22.3	-	12.5	0.0	0.0	-	0.0	0.0	-	-	-
77.0	65.0	-	20.3	-	0.0	0.0	-	-	0.0	0.0	-	-	-
77.0	70.0	-	0.0	-	22.3	0.0	0.0	-	0.0	0.0	-	-	-
77.0	90.0	-	5.4	-	5.5	-	0.0	-	0.0	0.0	-	-	-
80.0	52.0	-	12.3	-	0.0	0.0	-	-	0.0	0.0	-	-	-
80.0	55.0	-	32.2	-	0.0	11.0	0.0	-	9.9	0.0	-	-	-
80.0	60.0	-	0.0	-	0.0	12.1	0.0	-	20.1	0.0	-	-	-
80.0	70.0	-	0.0	-	0.0	21.5	0.0	-	0.0	0.0	-	-	-
80.0	80.0	-	11.3	-	0.0	-	10.4	-	0.0	11.7	-	-	-
82.0	47.0	-	0.0	-	0.0	0.0	-	-	0.0	35.4	-	-	-
83.0	40.6	-	0.0	-	-	0.0	0.0	-	4.7	0.0	-	-	-
83.0	42.0	-	0.0	-	5.3	0.0	0.0	-	0.0	24.5	-	-	-
83.0	55.0	35.9	20.5	-	0.0	11.4	-	-	0.0	0.0	-	-	-
83.0	60.0	10.3	0.0	-	9.8	9.5	0.0	-	0.0	13.1	-	-	-
83.0	70.0	16.1	0.0	-	10.0	0.0	10.3	-	0.0	10.5	-	-	-
87.0	34.0	0.0	5.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
87.0	36.0	5.5	5.6	-	0.0	12.3	-	-	0.0	5.9	-	-	-
87.0	40.0	0.0	0.0	-	0.0	0.0	12.2	-	0.0	11.3	-	-	-
87.0	45.0	11.2	10.9	-	11.9	0.0	0.0	-	0.0	0.0	-	-	-
87.0	50.0	0.0	0.0	0.0	-	0.0	8.0	-	0.0	0.0	-	-	-
87.0	55.0	0.0	20.5	0.0	-	11.9	0.0	-	9.6	0.0	-	-	-
87.0	60.0	0.0	25.4	0.0	-	5.7	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	10.5	5.8	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	80.0	10.4	5.3	0.0	-	-	0.0	-	0.0	0.0	-	-	-
90.0	29.0	0.0	5.5	0.0	-	0.0	0.0	-	0.0	11.0	-	-	-
90.0	30.0	0.0	0.0	10.9	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	31.0	0.0	0.0	0.0	-	0.0	22.2	-	0.0	21.9	-	-	-
90.0	33.0	0.0	0.0	0.0	-	0.0	23.3	-	10.0	12.0	-	-	-
90.0	45.0	0.0	0.0	22.3	-	10.8	11.6	0.0	-	-	-	-	-
90.0	53.0	27.4	0.0	0.0	-	0.0	0.0	0.0	-	35.6	-	-	-
90.0	70.0	0.0	0.0	0.0	-	0.0	0.0	7.8	-	0.0	-	-	-
90.0	80.0	0.0	5.1	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
93.0	29.0	0.0	5.4	0.0	0.0	-	-	12.5	-	0.0	-	-	-
93.0	30.0	0.0	0.0	0.0	12.0	-	12.4	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Citharichthys stigmaeus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	35.0	21.7	0.0	0.0	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0	40.0	26.2	0.0	0.0	0.0	–	11.5	11.1	–	0.0	–	–	–
93.0	50.0	10.1	0.0	0.0	0.0	–	28.7	0.0	–	0.0	–	–	–
93.0	55.0	5.2	0.0	0.0	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0	60.0	10.5	0.0	0.0	0.0	–	0.0	0.0	–	0.0	–	–	–
93.0	70.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	5.4	–	–	–
93.5	29.0	–	–	–	–	–	–	14.3	0.0	–	–	–	–
97.0	32.0	0.0	9.4	5.8	–	0.0	–	0.0	–	5.9	–	–	–
97.0	35.0	5.4	0.0	0.0	–	18.0	–	14.5	–	0.0	–	–	–
97.0	40.0	5.4	16.5	0.0	–	9.8	–	11.5	–	0.0	–	–	–
97.0	45.0	0.0	0.0	0.0	–	0.0	–	11.2	–	0.0	–	–	–
97.0	50.0	12.3	0.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
97.0	55.0	9.6	0.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0	29.0	11.3	0.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
100.0	35.0	5.8	0.0	5.1	–	0.0	–	0.0	–	0.0	–	–	–
100.0	45.0	0.0	0.0	0.0	–	0.0	–	0.0	–	12.6	–	–	–
100.0	80.0	0.0	0.0	0.0	–	0.0	–	0.0	–	5.6	–	–	–
103.0	35.0	6.5	–	0.0	–	0.0	–	0.0	–	0.0	–	–	–
103.0	45.0	0.0	–	0.0	–	0.0	–	5.7	–	0.0	–	–	–
103.0	50.0	12.9	0.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
107.0	31.0	0.0	0.0	0.0	–	0.0	–	–	0.0	13.2	–	–	–
107.0	32.0	0.0	0.0	0.0	–	8.8	–	0.0	0.0	0.0	–	–	–
107.0	45.0	0.0	0.0	5.5	–	0.0	–	–	–	12.7	–	–	–
113.0	40.0	0.0	0.0	0.0	–	0.0	–	–	0.0	5.7	–	–	–

Hippoglossina spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
133.0	23.0	–	0.0	–	0.0	–	–	–	0.0	12.1	–	–	–

Hippoglossina stomata

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	52.0	–	6.2	–	0.0	0.0	–	–	0.0	0.0	–	–	–
83.0	40.6	–	10.2	–	–	4.3	0.0	–	0.0	0.0	–	–	–
83.0	42.0	–	0.0	–	0.0	0.0	0.0	–	13.8	0.0	–	–	–
87.0	32.5	0.0	3.8	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
87.0	34.0	0.0	0.0	–	0.0	20.2	–	–	0.0	0.0	–	–	–
87.0	36.0	0.0	0.0	–	5.6	0.0	–	–	0.0	0.0	–	–	–
90.0	27.6	0.0	0.0	0.0	–	0.0	0.0	–	0.0	8.8	–	–	–
97.0	29.0	0.0	0.0	0.0	–	0.0	–	0.0	–	10.1	–	–	–
100.0	40.0	0.0	0.0	0.0	–	0.0	–	5.0	–	0.0	–	–	–
107.0	31.0	4.5	0.0	0.0	–	0.0	–	–	0.0	0.0	–	–	–
107.0	35.0	0.0	0.0	0.0	–	0.0	–	0.0	0.0	10.4	–	–	–

TABLE 4. (cont.)

Hippoglossina stomata (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	40.0	0.0	0.0	0.0	–	0.0	–	–	5.6	0.0	–	–	–
117.0	25.0	–	0.0	–	–	–	–	–	0.0	5.7	–	–	–
117.0	26.0	–	4.3	0.0	–	–	–	–	0.0	0.0	–	–	–
120.0	25.0	–	3.9	–	0.0	–	–	–	0.0	0.0	–	–	–
120.0	30.0	–	0.0	–	0.0	–	–	–	12.1	10.3	–	–	–
120.0	35.0	–	0.0	–	0.0	–	–	–	11.1	0.0	–	–	–
133.0	23.0	–	0.0	–	0.0	–	–	–	5.5	0.0	–	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	0.0	20.9	–	–	–
137.0	30.0	–	0.0	–	0.0	–	–	–	5.6	0.0	–	–	–

Paralichthys californicus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	40.6	–	0.0	–	–	4.3	0.0	–	4.7	0.0	–	–	–
83.0	42.0	–	0.0	–	5.3	0.0	0.0	–	0.0	0.0	–	–	–
87.0	32.5	0.0	3.8	–	16.1	0.0	0.0	–	0.0	0.0	–	–	–
87.0	32.7	39.6	0.0	–	33.7	0.0	0.0	–	0.0	0.0	–	–	–
87.0	33.0	11.1	13.1	–	27.3	0.0	0.0	–	0.0	0.0	–	–	–
87.0	34.0	0.0	5.0	–	4.4	0.0	–	–	0.0	0.0	–	–	–
87.0	36.0	0.0	0.0	–	16.7	0.0	–	–	0.0	0.0	–	–	–
90.0	27.6	0.0	0.0	0.0	–	44.5	0.0	–	0.0	8.8	–	–	–
90.0	28.0	11.5	0.0	11.0	–	20.9	0.0	–	0.0	0.0	–	–	–
90.0	30.0	0.0	0.0	0.0	–	10.8	0.0	–	0.0	0.0	–	–	–
93.0	26.7	0.0	4.4	22.3	35.5	–	0.0	0.0	0.0	–	–	–	–
93.0	26.9	0.0	0.0	0.0	5.2	–	0.0	–	0.0	–	–	–	–
93.0	28.0	0.0	12.2	29.5	0.0	–	0.0	0.0	–	0.0	–	–	–
97.0	29.0	0.0	0.0	23.6	–	8.3	–	0.0	–	0.0	–	–	–
97.0	30.0	0.0	0.0	10.1	–	0.0	–	0.0	–	0.0	–	–	–
97.0	32.0	0.0	0.0	5.8	–	0.0	–	0.0	–	0.0	–	–	–
100.0	30.0	0.0	0.0	0.0	–	9.1	–	0.0	–	0.0	–	–	–
103.0	29.0	0.0	8.2	0.0	–	5.0	–	0.0	–	0.0	–	–	–
103.0	30.0	0.0	9.9	4.6	–	0.0	–	0.0	–	0.0	–	–	–
107.0	31.0	4.5	18.1	16.2	–	0.0	–	–	0.0	26.4	–	–	–
110.0	32.4	0.0	0.0	0.0	–	0.0	–	0.0	0.0	9.0	–	–	–
113.0	29.0	0.0	0.0	0.0	–	9.2	–	–	0.0	0.0	–	–	–
117.0	25.0	–	4.2	–	–	–	–	–	0.0	0.0	–	–	–
120.0	24.0	–	15.8	–	4.1	–	–	–	51.8	4.8	–	–	–
120.0	25.0	–	0.0	–	4.8	–	–	–	0.0	0.0	–	–	–
120.0	35.0	–	0.0	–	0.0	–	–	–	22.2	0.0	–	–	–
120.0	40.0	–	0.0	–	0.0	–	–	–	0.0	4.6	–	–	–
133.0	25.0	–	0.0	–	4.6	–	–	–	0.0	10.4	–	–	–
137.0	22.0	–	4.4	–	0.0	–	–	–	0.0	–	–	–	–

TABLE 4. (cont.)

Xystreurys liolepis

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	29.0	4.3	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	-
117.0	25.0	-	0.0	-	-	-	-	-	0.0	5.7	-	-	-
120.0	24.0	-	0.0	-	0.0	-	-	-	17.3	0.0	-	-	-
120.0	35.0	-	0.0	-	0.0	-	-	-	11.1	0.0	-	-	-
130.0	28.0	-	0.0	-	0.0	-	-	-	9.9	9.5	-	-	-

Glyptocephalus zachirus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	-	0.0	-	0.0	0.0	0.0	-	10.9	0.0	-	-	-
60.0	60.0	-	0.0	-	0.0	0.0	0.0	-	10.8	0.0	-	-	-
63.0	52.0	-	0.0	-	0.0	9.5	0.0	-	0.0	0.0	-	-	-
63.0	60.0	-	0.0	-	0.0	0.0	0.0	-	10.6	0.0	-	-	-
67.0	50.0	-	0.0	-	0.0	10.9	0.0	-	11.2	0.0	-	-	-
67.0	60.0	-	0.0	-	0.0	0.0	11.8	-	46.4	0.0	-	-	-
70.0	51.0	-	0.0	-	0.0	0.0	0.0	-	20.9	0.0	-	-	-
70.0	53.0	-	0.0	-	0.0	0.0	0.0	-	20.1	0.0	-	-	-
70.0	60.0	-	0.0	-	0.0	0.0	12.4	-	0.0	0.0	-	-	-
73.0	50.0	-	0.0	-	0.0	18.9	0.0	-	10.8	0.0	-	-	-
73.0	53.0	-	0.0	-	0.0	10.2	0.0	-	12.4	0.0	-	-	-
80.0	51.0	-	0.0	-	0.0	0.0	10.4	-	0.0	0.0	-	-	-
80.0	60.0	-	0.0	-	0.0	0.0	11.7	-	0.0	0.0	-	-	-
80.0	70.0	-	0.0	-	0.0	0.0	0.0	-	10.9	0.0	-	-	-
83.0	55.0	0.0	0.0	-	0.0	0.0	-	-	13.5	0.0	-	-	-
83.0	90.0	-	0.0	-	0.0	-	0.0	-	4.6	0.0	-	-	-
90.0	53.0	0.0	0.0	0.0	-	0.0	0.0	12.3	-	0.0	-	-	-
93.0	45.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	10.6	-	-	-

Hypsopsetta guttulata

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	32.5	3.3	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	32.7	13.2	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	33.0	0.0	0.0	-	5.4	0.0	0.0	-	0.0	0.0	-	-	-
87.0	34.0	0.0	5.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
87.0	36.0	0.0	5.6	-	0.0	0.0	-	-	0.0	0.0	-	-	-
100.0	30.0	0.0	0.0	0.0	-	9.1	-	0.0	-	0.0	-	-	-
117.0	25.0	-	8.4	-	-	-	-	-	0.0	0.0	-	-	-
120.0	24.0	-	0.0	-	0.0	-	-	-	0.0	4.8	-	-	-
120.0	25.0	-	3.9	-	0.0	-	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Isopsetta isolepis

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	53.0	-	0.0	-	0.0	10.0	0.0	-	0.0	0.0	-	-	-

Lepidopsetta bilineata

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	51.0	-	0.0	-	0.0	0.0	11.6	-	0.0	0.0	-	-	-

Lyopsetta exilis

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	-	0.0	-	8.8	0.0	-	-	0.0	0.0	-	-	-
60.0	52.5	-	-	-	0.0	53.4	12.1	-	0.0	0.0	-	-	-
60.0	55.0	-	0.0	-	22.0	0.0	9.1	-	21.8	0.0	-	-	-
60.0	60.0	-	0.0	-	0.0	0.0	0.0	-	10.8	0.0	-	-	-
63.0	52.0	-	0.0	-	0.0	47.3	29.6	-	0.0	0.0	-	-	-
63.0	55.0	-	0.0	-	0.0	0.0	43.0	-	10.6	0.0	-	-	-
63.0	60.0	-	0.0	-	0.0	11.4	18.0	-	0.0	0.0	-	-	-
67.0	50.0	-	0.0	-	0.0	21.8	27.5	-	44.9	0.0	-	-	-
67.0	55.0	-	0.0	-	0.0	0.0	0.0	-	13.5	0.0	-	-	-
70.0	51.0	-	0.0	-	0.0	0.0	11.6	-	31.4	0.0	-	-	-
70.0	53.0	-	0.0	-	0.0	0.0	0.0	-	10.0	0.0	-	-	-
70.0	60.0	-	0.0	-	0.0	0.0	12.4	-	0.0	0.0	-	-	-
73.0	50.0	-	0.0	-	0.0	0.0	10.0	-	0.0	0.0	-	-	-
77.0	51.0	-	0.0	-	32.8	0.0	0.0	-	0.0	0.0	-	-	-
77.0	70.0	-	0.0	-	0.0	0.0	0.0	-	5.3	0.0	-	-	-
80.0	51.0	-	0.0	-	5.0	10.2	0.0	-	0.0	0.0	-	-	-
80.0	52.0	-	6.2	-	10.4	68.4	-	-	0.0	0.0	-	-	-
80.0	60.0	-	0.0	-	0.0	12.1	0.0	-	0.0	0.0	-	-	-
83.0	42.0	-	0.0	-	0.0	12.7	0.0	-	0.0	0.0	-	-	-
87.0	35.0	0.0	0.0	-	0.0	10.7	0.0	-	0.0	0.0	-	-	-
87.0	36.0	0.0	0.0	-	0.0	12.3	-	-	0.0	0.0	-	-	-
90.0	30.0	0.0	0.0	0.0	-	10.8	0.0	-	0.0	0.0	-	-	-
93.0	26.9	0.0	0.0	0.0	0.0	-	5.3	-	0.0	-	-	-	-
97.0	30.0	0.0	0.0	0.0	-	0.0	-	4.0	-	0.0	-	-	-
97.0	32.0	0.0	0.0	5.8	-	0.0	-	0.0	-	0.0	-	-	-
100.0	29.0	0.0	0.0	0.0	-	0.0	-	17.6	-	0.0	-	-	-
103.0	30.0	0.0	0.0	0.0	-	5.0	-	4.6	-	0.0	-	-	-
110.0	32.4	0.0	0.0	0.0	-	19.8	-	0.0	0.0	0.0	-	-	-

Microstomus pacificus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	65.0	-	0.0	-	-	-	-	-	10.9	0.0	-	-	-

TABLE 4. (cont.)

Microstomus pacificus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	52.0	–	0.0	–	0.0	0.0	22.2	–	0.0	0.0	–	–	–
63.0	60.0	–	0.0	–	0.0	0.0	0.0	–	0.0	10.9	–	–	–
63.0	65.0	–	0.0	–	0.0	–	–	–	12.5	0.0	–	–	–
67.0	90.0	–	0.0	–	0.0	–	0.0	–	0.0	5.5	–	–	–
70.0	53.0	–	0.0	–	11.0	0.0	0.0	–	0.0	0.0	–	–	–
73.0	53.0	–	0.0	–	0.0	10.2	0.0	–	0.0	0.0	–	–	–
73.0	60.0	–	0.0	–	10.0	0.0	0.0	–	0.0	0.0	–	–	–
73.0	70.0	–	0.0	–	0.0	0.0	11.6	–	0.0	0.0	–	–	–
77.0	80.0	–	0.0	–	0.0	–	0.0	–	0.0	10.5	–	–	–
80.0	60.0	–	0.0	–	0.0	0.0	0.0	–	10.1	0.0	–	–	–
80.0	70.0	–	0.0	–	0.0	0.0	12.5	–	10.9	10.8	–	–	–
80.0	80.0	–	0.0	–	0.0	–	0.0	–	0.0	11.7	–	–	–
80.0	90.0	–	0.0	–	0.0	–	0.0	–	5.1	5.7	–	–	–
83.0	60.0	0.0	0.0	–	0.0	0.0	17.2	–	0.0	0.0	–	–	–
83.0	70.0	0.0	0.0	–	0.0	0.0	0.0	–	0.0	10.5	–	–	–
83.0	80.0	0.0	0.0	–	0.0	–	10.2	–	0.0	0.0	–	–	–
83.0	90.0	–	0.0	–	0.0	–	9.8	–	4.6	0.0	–	–	–
90.0	31.0	0.0	0.0	0.0	–	0.0	11.1	–	0.0	0.0	–	–	–
90.0	33.0	0.0	0.0	0.0	–	0.0	0.0	–	10.0	0.0	–	–	–
90.0	53.0	0.0	0.0	0.0	–	0.0	12.3	0.0	–	0.0	–	–	–
93.0	50.0	0.0	0.0	0.0	0.0	–	9.6	0.0	–	0.0	–	–	–
97.0	45.0	0.0	0.0	0.0	–	0.0	–	6.2	–	0.0	–	–	–
100.0	50.0	0.0	0.0	0.0	–	0.0	–	0.0	–	11.3	–	–	–

Parophrys vetulus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	–	0.0	–	30.9	0.0	–	–	0.0	0.0	–	–	–
60.0	52.5	–	–	–	130.3	0.0	0.0	–	0.0	0.0	–	–	–
63.0	50.0	–	8.2	–	0.0	0.0	–	–	0.0	0.0	–	–	–
63.0	52.0	–	26.3	–	0.0	56.8	0.0	–	0.0	0.0	–	–	–
70.0	51.0	–	0.0	–	0.0	9.9	0.0	–	0.0	0.0	–	–	–
77.0	51.0	–	0.0	–	0.0	10.4	0.0	–	0.0	0.0	–	–	–
82.0	47.0	–	10.7	–	0.0	0.0	–	–	0.0	0.0	–	–	–
83.0	42.0	–	0.0	–	15.9	0.0	0.0	–	0.0	0.0	–	–	–
83.0	51.0	0.0	0.0	–	4.3	0.0	–	–	0.0	0.0	–	–	–
87.0	33.0	0.0	4.4	–	0.0	0.0	0.0	–	0.0	0.0	–	–	–
87.0	35.0	0.0	0.0	–	6.4	0.0	0.0	–	0.0	0.0	–	–	–
90.0	31.0	0.0	0.0	0.0	–	0.0	22.2	–	0.0	0.0	–	–	–
93.0	26.7	0.0	0.0	0.0	0.0	–	9.5	0.0	0.0	–	–	–	–
97.0	32.0	0.0	0.0	0.0	–	9.0	–	0.0	–	0.0	–	–	–
100.0	29.0	0.0	0.0	0.0	–	5.0	–	0.0	–	0.0	–	–	–
103.0	29.0	0.0	0.0	0.0	–	5.0	–	0.0	–	0.0	–	–	–
103.0	30.0	8.7	0.0	0.0	–	10.0	–	0.0	–	0.0	–	–	–
107.0	32.0	0.0	0.0	0.0	–	8.8	–	0.0	0.0	0.0	–	–	–

TABLE 4. (cont.)

Parophrys vetulus (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	32.4	0.0	0.0	0.0	-	9.9	-	0.0	0.0	0.0	-	-	-

Platichthys stellatus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	-	0.0	-	17.7	0.0	-	-	0.0	0.0	-	-	-
60.0	52.5	-	-	-	20.0	10.7	0.0	-	0.0	0.0	-	-	-
60.0	55.0	-	0.0	-	33.1	0.0	0.0	-	0.0	0.0	-	-	-
63.0	50.0	-	0.0	-	3.6	0.0	-	-	0.0	0.0	-	-	-
63.0	55.0	-	0.0	-	0.0	11.1	0.0	-	0.0	0.0	-	-	-
87.0	55.0	0.0	0.0	0.0	-	0.0	12.4	-	0.0	0.0	-	-	-

Pleuronichthys coenosus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	65.0	-	0.0	-	0.0	-	-	-	0.0	11.1	-	-	-
77.0	51.0	-	0.0	-	0.0	0.0	0.0	-	0.0	10.5	-	-	-
80.0	51.0	-	0.0	-	0.0	0.0	0.0	-	0.0	10.2	-	-	-
82.0	47.0	-	0.0	-	0.0	0.0	-	-	0.0	11.8	-	-	-
83.0	55.0	0.0	0.0	-	0.0	0.0	-	-	13.5	0.0	-	-	-
107.0	31.0	0.0	0.0	0.0	-	0.0	-	-	0.0	13.2	-	-	-

Pleuronichthys decurrens

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	60.0	-	0.0	-	0.0	0.0	12.4	-	0.0	0.0	-	-	-

Pleuronichthys ritteri

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	52.0	-	0.0	-	5.2	0.0	-	-	0.0	0.0	-	-	-
83.0	40.6	-	0.0	-	-	0.0	0.0	-	0.0	4.4	-	-	-
87.0	32.5	3.3	0.0	-	0.0	0.0	0.0	-	4.1	0.0	-	-	-
90.0	27.6	0.0	0.0	0.0	-	0.0	0.0	-	4.7	0.0	-	-	-
119.0	33.0	-	0.0	-	0.0	-	-	-	5.4	0.0	-	-	-
133.0	23.0	-	0.0	-	0.0	-	-	-	0.0	6.1	-	-	-

Pleuronichthys verticalis

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	40.6	-	10.2	-	-	0.0	0.0	-	23.6	13.2	-	-	-

TABLE 4. (cont.)

Pleuronichthys verticalis (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	42.0	–	0.0	–	0.0	0.0	0.0	–	0.0	12.2	–	–	–
87.0	32.7	13.2	0.0	–	9.6	0.0	0.0	–	0.0	0.0	–	–	–
87.0	33.0	11.1	0.0	–	10.9	5.0	0.0	–	0.0	0.0	–	–	–
87.0	34.0	0.0	0.0	–	17.7	0.0	–	–	10.3	0.0	–	–	–
87.0	36.0	0.0	0.0	–	16.7	0.0	–	–	0.0	0.0	–	–	–
90.0	27.6	0.0	0.0	5.3	–	0.0	0.0	–	0.0	0.0	–	–	–
93.0	26.7	0.0	0.0	0.0	4.0	–	0.0	0.0	0.0	–	–	–	–
93.0	26.9	0.0	0.0	5.4	10.3	–	0.0	–	0.0	–	–	–	–
97.0	32.0	0.0	0.0	5.8	–	0.0	–	0.0	–	0.0	–	–	–
100.0	29.0	0.0	0.0	0.0	–	0.0	–	0.0	–	11.7	–	–	–
103.0	30.0	0.0	0.0	0.0	–	5.0	–	0.0	–	0.0	–	–	–
107.0	31.0	0.0	3.6	0.0	–	0.0	–	–	0.0	26.4	–	–	–
113.0	30.0	0.0	0.0	0.0	–	0.0	–	–	0.0	5.1	–	–	–
120.0	25.0	–	0.0	–	0.0	–	–	–	0.0	5.4	–	–	–
120.0	30.0	–	0.0	–	0.0	–	–	–	0.0	15.5	–	–	–

Psettichthys melanostictus

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	–	0.0	–	4.4	0.0	–	–	9.0	4.8	–	–	–
60.0	52.5	–	–	–	10.0	10.7	0.0	–	0.0	0.0	–	–	–
63.0	50.0	–	0.0	–	0.0	18.0	–	–	0.0	0.0	–	–	–
73.0	50.0	–	0.0	–	0.0	9.5	0.0	–	0.0	0.0	–	–	–

Symphurus spp.

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	45.0	9.9	0.0	0.0	–	0.0	–	0.0	–	0.0	–	–	–
107.0	35.0	0.0	9.3	0.0	–	0.0	–	0.0	0.0	0.0	–	–	–
117.0	26.0	–	0.0	0.0	–	–	–	–	0.0	4.9	–	–	–
118.0	39.0	–	0.0	0.0	–	–	–	–	0.0	6.2	–	–	–
120.0	24.0	–	0.0	–	0.0	–	–	–	0.0	23.8	–	–	–
120.0	25.0	–	0.0	–	0.0	–	–	–	0.0	37.9	–	–	–
120.0	40.0	–	0.0	–	0.0	–	–	–	0.0	4.6	–	–	–
120.0	45.0	–	0.0	–	0.0	–	–	–	0.0	11.1	–	–	–
120.0	50.0	–	0.0	–	0.0	–	–	–	0.0	6.1	–	–	–
123.0	42.0	–	0.0	–	–	–	–	–	–	5.6	–	–	–
123.0	45.0	–	0.0	–	0.0	–	–	–	–	6.0	–	–	–
123.0	50.0	–	0.0	–	0.0	–	–	–	0.0	6.2	–	–	–
130.0	28.0	–	0.0	–	0.0	–	–	–	0.0	9.5	–	–	–
133.0	23.0	–	0.0	–	0.0	–	–	–	0.0	30.4	–	–	–
133.0	30.0	–	0.0	–	0.0	–	–	–	0.0	5.2	–	–	–
133.0	35.0	–	0.0	–	0.0	–	–	–	0.0	11.4	–	–	–
137.0	23.0	–	4.6	–	0.0	–	–	–	0.0	–	–	–	–

TABLE 4. (cont.)

Disintegrated fish larva

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	-	0.0	-	0.0	0.0	-	-	0.0	4.8	-	-	-
60.0	52.0	-	5.0	-	-	-	-	-	-	-	-	-	-
60.0	70.0	-	103.4	-	0.0	-	0.0	-	0.0	0.0	-	-	-
63.0	50.0	-	8.2	-	3.6	0.0	-	-	0.0	0.0	-	-	-
63.0	52.0	-	0.0	-	0.0	0.0	7.4	-	0.0	0.0	-	-	-
63.0	55.0	-	0.0	-	0.0	11.1	0.0	-	0.0	0.0	-	-	-
63.0	60.0	-	0.0	-	10.2	0.0	0.0	-	0.0	0.0	-	-	-
63.0	65.0	-	0.0	-	18.9	-	-	-	0.0	0.0	-	-	-
63.0	70.0	-	0.0	-	11.5	-	0.0	-	0.0	0.0	-	-	-
67.0	60.0	-	0.0	-	0.0	11.0	0.0	-	0.0	0.0	-	-	-
67.0	70.0	-	12.5	-	0.0	-	0.0	-	0.0	0.0	-	-	-
67.0	90.0	-	0.0	-	5.2	-	0.0	-	0.0	0.0	-	-	-
70.0	60.0	-	0.0	-	9.2	0.0	0.0	-	0.0	0.0	-	-	-
70.0	70.0	-	11.9	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
70.0	90.0	-	0.0	-	11.1	-	0.0	-	0.0	0.0	-	-	-
73.0	53.0	-	10.1	-	0.0	10.2	0.0	-	0.0	0.0	-	-	-
73.0	60.0	-	0.0	-	20.0	11.6	0.0	-	0.0	0.0	-	-	-
73.0	65.0	-	0.0	-	0.0	0.0	-	-	10.3	0.0	-	-	-
73.0	90.0	-	0.0	-	0.0	-	0.0	-	0.0	11.0	-	-	-
77.0	51.0	-	10.3	-	10.9	0.0	0.0	-	0.0	0.0	-	-	-
77.0	55.0	-	0.0	-	10.2	0.0	0.0	-	0.0	0.0	-	-	-
77.0	65.0	-	10.1	-	0.0	0.0	-	-	0.0	0.0	-	-	-
77.0	70.0	-	0.0	-	0.0	0.0	0.0	-	10.6	10.9	-	-	-
80.0	51.0	-	5.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	52.0	-	6.2	-	5.2	0.0	-	-	0.0	22.4	-	-	-
80.0	55.0	-	10.7	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	60.0	-	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	90.0	-	0.0	-	0.0	-	0.0	-	5.1	0.0	-	-	-
83.0	51.0	0.0	22.9	-	0.0	0.0	-	-	0.0	0.0	-	-	-
83.0	55.0	0.0	10.3	-	0.0	0.0	-	-	0.0	0.0	-	-	-
83.0	60.0	5.2	0.0	-	0.0	0.0	0.0	-	44.6	0.0	-	-	-
83.0	70.0	0.0	0.0	-	0.0	0.0	10.3	-	0.0	0.0	-	-	-
83.0	80.0	0.0	0.0	-	0.0	-	0.0	-	0.0	5.9	-	-	-
83.0	90.0	-	5.3	-	0.0	-	4.9	-	0.0	5.8	-	-	-
87.0	34.0	0.0	0.0	-	4.4	0.0	-	-	0.0	0.0	-	-	-
87.0	35.0	0.0	10.8	-	19.1	0.0	0.0	-	0.0	0.0	-	-	-
87.0	40.0	0.0	0.0	-	5.8	0.0	12.2	-	0.0	0.0	-	-	-
87.0	45.0	11.2	0.0	-	5.9	0.0	10.4	-	0.0	0.0	-	-	-
87.0	50.0	4.9	16.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	60.0	0.0	0.0	0.0	-	5.7	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	0.0	-	0.0	5.1	-	0.0	0.0	-	-	-
87.0	80.0	10.4	0.0	0.0	-	-	5.0	-	0.0	0.0	-	-	-
87.0	90.0	-	5.1	6.0	-	-	0.0	-	0.0	0.0	-	-	-
90.0	27.6	0.0	0.0	0.0	-	0.0	0.0	-	0.0	17.6	-	-	-
90.0	28.0	0.0	5.7	0.0	-	10.4	0.0	-	0.0	0.0	-	-	-
90.0	33.0	0.0	0.0	12.4	-	0.0	0.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	37.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	10.2	-	-	-
90.0	45.0	11.2	10.1	0.0	-	0.0	0.0	0.0	-	-	-	-	-
90.0	53.0	0.0	20.0	6.0	-	0.0	0.0	12.3	-	0.0	-	-	-
90.0	60.0	0.0	0.0	0.0	-	0.0	0.0	5.4	-	0.0	-	-	-
90.0	70.0	0.0	0.0	0.0	-	4.6	0.0	0.0	-	0.0	-	-	-
90.0	80.0	0.0	0.0	0.0	-	5.2	0.0	0.0	-	0.0	-	-	-
90.0	110.0	-	-	-	-	10.4	-	0.0	-	10.5	-	-	-
90.0	140.0	-	-	-	-	20.9	-	0.0	-	0.0	-	-	-
90.0	160.0	-	-	-	-	0.0	-	0.0	-	15.5	-	-	-
90.0	170.0	-	-	-	-	5.3	-	10.2	-	-	-	-	-
90.0	180.0	-	-	-	-	11.1	-	0.0	-	16.2	-	-	-
90.0	190.0	-	-	-	-	21.5	-	11.3	-	-	-	-	-
90.0	200.0	-	-	-	-	15.5	-	0.0	-	-	-	-	-
93.0	26.7	0.0	0.0	4.5	4.0	-	0.0	0.0	0.0	-	-	-	-
93.0	28.0	0.0	0.0	0.0	11.0	-	0.0	0.0	-	0.0	-	-	-
93.0	29.0	0.0	0.0	0.0	11.1	-	-	0.0	-	0.0	-	-	-
93.0	40.0	0.0	10.6	0.0	12.0	-	0.0	0.0	-	0.0	-	-	-
93.0	45.0	0.0	0.0	12.3	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	50.0	0.0	0.0	6.1	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	55.0	0.0	0.0	0.0	5.2	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	5.4	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	70.0	0.0	0.0	0.0	10.1	-	9.8	0.0	-	0.0	-	-	-
93.0	80.0	0.0	4.6	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
93.0	90.0	-	0.0	0.0	-	0.0	0.0	25.7	-	0.0	-	-	-
93.0	100.0	-	0.0	16.4	-	5.6	-	0.0	-	0.0	-	-	-
93.0	110.0	-	-	-	-	15.5	-	0.0	-	10.9	-	-	-
93.0	120.0	-	-	-	-	5.3	-	0.0	-	0.0	-	-	-
93.0	140.0	-	-	-	-	10.8	-	18.7	-	5.4	-	-	-
93.0	150.0	-	-	-	-	10.5	-	0.0	-	0.0	-	-	-
93.0	160.0	-	-	-	-	30.7	-	5.0	-	0.0	-	-	-
93.0	180.0	-	-	-	-	5.4	-	0.0	-	11.2	-	-	-
93.0	190.0	-	-	-	-	5.3	-	0.0	-	-	-	-	-
93.0	200.0	-	-	-	-	9.9	-	31.3	-	-	-	-	-
97.0	32.0	0.0	0.0	0.0	-	26.9	-	0.0	-	0.0	-	-	-
97.0	35.0	0.0	4.9	0.0	-	9.0	-	0.0	-	0.0	-	-	-
97.0	40.0	0.0	5.5	0.0	-	9.8	-	0.0	-	0.0	-	-	-
97.0	45.0	0.0	0.0	0.0	-	9.2	-	0.0	-	0.0	-	-	-
97.0	50.0	0.0	0.0	5.9	-	5.1	-	0.0	-	0.0	-	-	-
97.0	55.0	0.0	0.0	65.7	-	5.3	-	5.7	-	0.0	-	-	-
97.0	60.0	0.0	5.7	0.0	-	8.4	-	0.0	-	0.0	-	-	-
97.0	70.0	-	0.0	5.5	-	0.0	-	2.4	-	0.0	-	-	-
97.0	80.0	-	0.0	0.0	-	9.7	0.0	-	-	0.0	-	-	-
97.0	90.0	-	0.0	5.4	-	0.0	0.0	-	-	0.0	-	-	-
100.0	35.0	17.3	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	50.0	0.0	5.4	4.9	-	0.0	-	0.0	-	0.0	-	-	-
100.0	60.0	0.0	21.2	0.0	-	0.0	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0 70.0	0.0	13.7	0.0	-	-	-	0.0	-	6.1	-	-	-
100.0 80.0	2.9	4.6	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0 90.0	0.0	0.0	0.0	-	5.2	-	0.0	-	0.0	-	-	-
100.0 100.0	-	-	-	-	18.1	-	-	-	0.0	-	-	-
103.0 30.0	0.0	3.3	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0 35.0	0.0	-	5.5	-	0.0	-	0.0	-	0.0	-	-	-
103.0 40.0	0.0	-	0.0	-	10.5	-	0.0	-	0.0	-	-	-
103.0 45.0	0.0	-	0.0	-	12.0	-	0.0	-	0.0	-	-	-
103.0 60.0	0.0	0.0	10.8	-	-	-	0.0	-	0.0	-	-	-
103.0 70.0	41.3	4.3	5.1	-	-	-	2.8	-	0.0	-	-	-
103.0 80.0	0.0	14.2	25.4	-	-	-	0.0	-	0.0	-	-	-
107.0 31.0	0.0	0.0	10.8	-	0.0	-	-	0.0	0.0	-	-	-
107.0 32.0	0.0	0.0	0.0	-	8.8	-	0.0	0.0	0.0	-	-	-
107.0 35.0	0.0	0.0	5.5	-	11.0	-	0.0	0.0	0.0	-	-	-
107.0 45.0	0.0	0.0	0.0	-	11.5	-	-	-	0.0	-	-	-
107.0 50.0	0.0	0.0	0.0	-	0.0	-	4.7	-	0.0	-	-	-
107.0 60.0	0.0	5.2	0.0	-	-	-	2.6	-	6.1	-	-	-
107.0 70.0	-	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-
107.0 80.0	-	0.0	0.0	-	-	-	20.4	-	0.0	-	-	-
107.0 90.0	-	-	-	-	-	-	5.4	-	0.0	-	-	-
110.0 32.4	0.0	0.0	0.0	-	0.0	-	0.0	0.0	9.0	-	-	-
110.0 40.0	0.0	0.0	10.2	-	32.6	-	0.0	0.0	0.0	-	-	-
110.0 45.0	0.0	9.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
110.0 50.0	0.0	0.0	0.0	-	10.7	-	0.0	0.0	0.0	-	-	-
110.0 60.0	0.0	5.7	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0 80.0	-	5.0	0.0	-	-	-	0.0	-	11.3	-	-	-
110.0 90.0	-	-	-	-	-	-	-	-	11.6	-	-	-
113.0 29.0	0.0	0.0	4.3	-	0.0	-	-	0.0	0.0	-	-	-
113.0 30.0	0.0	3.9	0.0	-	0.0	-	-	0.0	0.0	-	-	-
113.0 60.0	0.0	0.0	10.6	-	-	-	0.0	31.1	0.0	-	-	-
113.0 90.0	-	-	-	-	-	-	-	15.3	0.0	-	-	-
117.0 25.0	-	4.2	-	-	-	-	-	0.0	0.0	-	-	-
117.0 30.0	-	0.0	15.5	-	-	-	-	0.0	5.1	-	-	-
117.0 45.0	-	0.0	5.7	-	-	-	-	12.2	0.0	-	-	-
117.0 80.0	-	0.0	5.8	-	-	-	-	0.0	0.0	-	-	-
120.0 24.0	-	0.0	-	0.0	-	-	-	0.0	9.5	-	-	-
120.0 25.0	-	0.0	-	0.0	-	-	-	0.0	5.4	-	-	-
120.0 30.0	-	0.0	-	0.0	-	-	-	18.2	0.0	-	-	-
120.0 35.0	-	0.0	-	0.0	-	-	-	0.0	22.7	-	-	-
120.0 40.0	-	7.4	-	0.0	-	-	-	20.1	4.6	-	-	-
120.0 45.0	-	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-
120.0 50.0	-	10.4	-	4.9	-	-	-	0.0	0.0	-	-	-
120.0 60.0	-	0.0	-	0.0	-	-	-	5.6	0.0	-	-	-
120.0 70.0	-	0.0	-	4.9	-	-	-	0.0	6.4	-	-	-
120.0 80.0	-	15.6	-	4.7	-	-	-	0.0	0.0	-	-	-
123.0 37.0	-	0.0	-	4.6	-	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
123.0	42.0	-	13.7	-	-	-	-	-	-	16.7	-	-	-
123.0	45.0	-	4.8	-	0.0	-	-	-	-	0.0	-	-	-
123.0	50.0	-	0.0	-	0.0	-	-	-	0.0	6.2	-	-	-
127.0	33.0	-	0.0	-	0.0	-	-	-	0.0	4.1	-	-	-
127.0	50.0	-	9.1	-	0.0	-	-	-	6.7	0.0	-	-	-
130.0	28.0	-	4.6	-	0.0	-	-	-	0.0	0.0	-	-	-
130.0	30.0	-	4.9	-	0.0	-	-	-	0.0	0.0	-	-	-
130.0	35.0	-	0.0	-	10.6	-	-	-	0.0	0.0	-	-	-
130.0	50.0	-	10.2	-	0.0	-	-	-	11.6	0.0	-	-	-
130.0	60.0	-	9.2	-	5.1	-	-	-	0.0	0.0	-	-	-
133.0	23.0	-	0.0	-	0.0	-	-	-	0.0	12.1	-	-	-
133.0	30.0	-	0.0	-	4.9	-	-	-	6.4	0.0	-	-	-
133.0	35.0	-	26.5	-	0.0	-	-	-	0.0	0.0	-	-	-
133.0	40.0	-	5.9	-	4.8	-	-	-	0.0	0.0	-	-	-
133.0	50.0	-	0.0	-	11.3	-	-	-	0.0	0.0	-	-	-
133.0	60.0	-	0.0	-	5.2	-	-	-	0.0	5.9	-	-	-
137.0	22.0	-	0.0	-	0.0	-	-	-	10.7	-	-	-	-
137.0	23.0	-	4.6	-	0.0	-	-	-	0.0	-	-	-	-
137.0	30.0	-	0.0	-	5.2	-	-	-	0.0	0.0	-	-	-
137.0	35.0	-	0.0	-	0.0	-	-	-	0.0	5.1	-	-	-
137.0	40.0	-	34.6	-	62.9	-	-	-	0.0	0.0	-	-	-
137.0	60.0	-	5.6	-	5.2	-	-	-	11.8	-	-	-	-

Unidentified fish larva

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	-	-	-	0.0	10.7	0.0	-	0.0	0.0	-	-	-
60.0	60.0	-	0.0	-	11.0	10.8	0.0	-	0.0	0.0	-	-	-
67.0	50.0	-	0.0	-	12.9	0.0	0.0	-	0.0	0.0	-	-	-
67.0	60.0	-	0.0	-	0.0	0.0	0.0	-	11.6	0.0	-	-	-
67.0	90.0	-	0.0	-	0.0	-	11.9	-	0.0	0.0	-	-	-
70.0	53.0	-	0.0	-	0.0	0.0	12.2	-	0.0	0.0	-	-	-
73.0	70.0	-	0.0	-	0.0	0.0	0.0	-	0.0	16.7	-	-	-
73.0	80.0	-	0.0	-	0.0	-	0.0	-	5.1	0.0	-	-	-
73.0	90.0	-	0.0	-	0.0	-	0.0	-	4.9	0.0	-	-	-
77.0	48.0	-	3.7	-	4.5	0.0	-	-	0.0	-	-	-	-
77.0	51.0	-	0.0	-	10.9	0.0	14.4	-	0.0	0.0	-	-	-
77.0	60.0	-	11.2	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	65.0	-	0.0	-	0.0	11.0	-	-	0.0	0.0	-	-	-
80.0	51.0	-	0.0	-	5.0	5.1	0.0	-	0.0	0.0	-	-	-
83.0	40.6	-	0.0	-	-	4.3	0.0	-	0.0	0.0	-	-	-
83.0	42.0	-	38.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	0.0	0.0	-	4.3	0.0	-	-	0.0	0.0	-	-	-
83.0	55.0	0.0	0.0	-	0.0	11.4	-	-	13.5	0.0	-	-	-
83.0	60.0	5.2	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	70.0	0.0	0.0	-	0.0	10.3	0.0	-	11.9	0.0	-	-	-
83.0	80.0	0.0	0.0	-	5.0	-	0.0	-	14.7	0.0	-	-	-
87.0	34.0	0.0	0.0	-	0.0	0.0	-	-	10.3	0.0	-	-	-
87.0	36.0	0.0	0.0	-	0.0	0.0	-	-	11.8	0.0	-	-	-
87.0	45.0	0.0	0.0	-	5.9	0.0	0.0	-	26.9	0.0	-	-	-
87.0	50.0	0.0	0.0	0.0	-	18.9	0.0	-	11.4	0.0	-	-	-
87.0	55.0	0.0	0.0	0.0	-	35.8	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	0.0	-	5.4	0.0	-	0.0	0.0	-	-	-
89.7	41.5	-	-	-	-	-	-	-	-	12.4	-	-	-
90.0	27.6	0.0	0.0	0.0	-	9.9	0.0	-	0.0	0.0	-	-	-
90.0	28.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	55.9	-	-	-
90.0	29.0	0.0	0.0	0.0	-	19.3	0.0	-	0.0	0.0	-	-	-
90.0	33.0	10.6	0.0	0.0	-	22.9	0.0	-	0.0	0.0	-	-	-
90.0	53.0	0.0	0.0	12.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	70.0	0.0	5.3	5.9	-	0.0	5.2	0.0	-	0.0	-	-	-
90.0	100.0	-	0.0	5.5	-	0.0	-	16.1	-	0.0	-	-	-
90.0	120.0	-	-	-	-	0.0	-	5.3	-	10.7	-	-	-
90.0	130.0	-	-	-	-	0.0	-	5.6	-	0.0	-	-	-
90.0	140.0	-	-	-	-	0.0	-	16.2	-	0.0	-	-	-
90.0	150.0	-	-	-	-	0.0	-	5.3	-	0.0	-	-	-
90.0	160.0	-	-	-	-	0.0	-	25.5	-	0.0	-	-	-
90.0	180.0	-	-	-	-	0.0	-	0.0	-	10.8	-	-	-
90.0	190.0	-	-	-	-	5.4	-	0.0	-	-	-	-	-
90.0	200.0	-	-	-	-	20.6	-	5.0	-	-	-	-	-
93.0	26.7	0.0	0.0	8.9	4.0	-	0.0	0.0	0.0	-	-	-	-
93.0	26.9	0.0	0.0	0.0	5.2	-	0.0	-	0.0	-	-	-	-
93.0	28.0	10.0	0.0	94.4	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	29.0	0.0	5.4	0.0	0.0	-	-	0.0	-	0.0	-	-	-
93.0	45.0	0.0	0.0	0.0	12.3	-	0.0	10.1	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	36.3	-	-	-
93.0	70.0	5.4	0.0	0.0	5.0	-	0.0	0.0	-	0.0	-	-	-
93.0	90.0	-	0.0	0.0	-	0.0	0.0	0.0	-	5.4	-	-	-
93.0	110.0	-	-	-	-	5.2	-	0.0	-	0.0	-	-	-
93.0	120.0	-	-	-	-	5.3	-	5.2	-	0.0	-	-	-
93.0	140.0	-	-	-	-	10.8	-	0.0	-	5.4	-	-	-
93.0	150.0	-	-	-	-	10.5	-	4.9	-	0.0	-	-	-
93.0	160.0	-	-	-	-	0.0	-	5.0	-	0.0	-	-	-
93.0	170.0	-	-	-	-	15.8	-	5.2	-	-	-	-	-
93.0	190.0	-	-	-	-	15.8	-	0.0	-	-	-	-	-
93.5	29.0	-	-	-	-	-	-	14.3	0.0	-	-	-	-
97.0	30.0	0.0	4.6	5.1	-	0.0	-	0.0	-	0.0	-	-	-
97.0	45.0	0.0	0.0	0.0	-	0.0	-	6.2	-	0.0	-	-	-
97.0	50.0	0.0	0.0	5.9	-	0.0	-	0.0	-	0.0	-	-	-
97.0	70.0	-	5.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	29.0	0.0	0.0	5.2	-	5.0	-	0.0	-	0.0	-	-	-
100.0	30.0	0.0	0.0	5.3	-	0.0	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION		DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	50.0	0.0	5.4	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	60.0	5.7	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	70.0	5.1	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
100.0	90.0	0.0	4.5	5.8	-	0.0	-	0.0	-	0.0	-	-	-
100.0	100.0	-	-	-	-	4.5	-	-	-	5.8	-	-	-
103.0	30.0	8.7	9.9	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	50.0	0.0	0.0	0.0	-	0.0	-	11.6	-	0.0	-	-	-
103.0	60.0	0.0	0.0	0.0	-	-	-	2.8	-	0.0	-	-	-
103.0	70.0	0.0	4.3	0.0	-	-	-	2.8	-	0.0	-	-	-
103.0	80.0	0.0	0.0	0.0	-	-	-	2.6	-	6.2	-	-	-
103.0	90.0	-	-	-	-	-	-	0.0	-	6.3	-	-	-
107.0	32.0	5.6	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	35.0	10.7	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	45.0	5.2	0.0	0.0	-	0.0	-	-	-	12.7	-	-	-
107.0	50.0	11.5	0.0	0.0	-	5.6	-	0.0	-	0.0	-	-	-
107.0	60.0	0.0	5.2	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	70.0	-	6.2	10.9	-	-	-	0.0	-	0.0	-	-	-
107.0	90.0	-	-	-	-	-	-	10.8	-	0.0	-	-	-
110.0	40.0	0.0	0.0	5.1	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	70.0	-	10.5	10.9	-	-	-	0.0	-	5.9	-	-	-
110.0	80.0	-	0.0	10.4	-	-	-	5.4	-	0.0	-	-	-
113.0	29.0	0.0	0.0	0.0	-	0.0	-	-	0.0	4.7	-	-	-
113.0	35.0	0.0	0.0	0.0	-	11.4	-	-	-	0.0	-	-	-
113.0	40.0	5.0	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	-
113.0	70.0	-	0.0	0.0	-	-	-	0.0	-	6.0	-	-	-
113.0	80.0	-	0.0	0.0	-	-	-	5.1	-	5.8	-	-	-
113.0	90.0	-	-	-	-	-	-	-	0.0	5.9	-	-	-
117.0	26.0	-	21.5	0.0	-	-	-	-	0.0	0.0	-	-	-
117.0	30.0	-	0.0	20.7	-	-	-	-	0.0	0.0	-	-	-
117.0	45.0	-	0.0	0.0	-	-	-	-	12.2	0.0	-	-	-
117.0	80.0	-	0.0	0.0	-	-	-	-	5.7	0.0	-	-	-
118.0	39.0	-	0.0	0.0	-	-	-	-	0.0	6.2	-	-	-
119.0	33.0	-	0.0	-	5.3	-	-	-	21.4	0.0	-	-	-
120.0	24.0	-	0.0	-	0.0	-	-	-	17.3	0.0	-	-	-
120.0	25.0	-	0.0	-	0.0	-	-	-	0.0	5.4	-	-	-
120.0	30.0	-	0.0	-	0.0	-	-	-	30.3	5.2	-	-	-
120.0	35.0	-	0.0	-	0.0	-	-	-	5.6	0.0	-	-	-
120.0	40.0	-	0.0	-	0.0	-	-	-	10.0	0.0	-	-	-
120.0	45.0	-	0.0	-	0.0	-	-	-	5.5	5.6	-	-	-
120.0	70.0	-	0.0	-	0.0	-	-	-	5.6	0.0	-	-	-
123.0	36.0	-	0.0	-	0.0	-	-	-	4.7	0.0	-	-	-
123.0	37.0	-	0.0	-	0.0	-	-	-	0.0	5.8	-	-	-
127.0	33.0	-	0.0	-	4.4	-	-	-	0.0	0.0	-	-	-
127.0	50.0	-	4.6	-	0.0	-	-	-	13.4	0.0	-	-	-
130.0	28.0	-	4.6	-	0.0	-	-	-	0.0	0.0	-	-	-
130.0	30.0	-	0.0	-	4.6	-	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
130.0 50.0	-	5.1	-	0.0	-	-	-	0.0	0.0	-	-	-
130.0 60.0	-	18.3	-	0.0	-	-	-	0.0	0.0	-	-	-
133.0 23.0	-	0.0	-	9.8	-	-	-	0.0	0.0	-	-	-
133.0 30.0	-	0.0	-	19.7	-	-	-	0.0	0.0	-	-	-
133.0 35.0	-	0.0	-	4.7	-	-	-	5.9	0.0	-	-	-
133.0 40.0	-	0.0	-	0.0	-	-	-	6.2	0.0	-	-	-
133.0 50.0	-	10.9	-	0.0	-	-	-	17.7	6.0	-	-	-
137.0 22.0	-	4.4	-	4.2	-	-	-	16.1	-	-	-	-
137.0 23.0	-	4.6	-	0.0	-	-	-	0.0	-	-	-	-
137.0 30.0	-	0.0	-	0.0	-	-	-	0.0	5.9	-	-	-
137.0 35.0	-	0.0	-	0.0	-	-	-	5.5	15.3	-	-	-
137.0 40.0	-	19.8	-	0.0	-	-	-	0.0	0.0	-	-	-
137.0 50.0	-	5.5	-	0.0	-	-	-	0.0	0.0	-	-	-
137.0 60.0	-	5.6	-	5.2	-	-	-	0.0	-	-	-	-

TABLE 5. Summary of pooled occurrences of all larval fish taxa taken on CalCOFI surveys from 1972 to 1981. Data for 1974, 1977, and 1980 represent single cruises that are part of surveys in 1975, 1978, and 1981, respectively. Taxa are listed in the same order as Table 4.

NAME	1972	1974	1975	1977	1978	1980	1981
Albula vulpes	1	-	-	-	-	-	-
Anguilliformes	26	2	8	-	3	-	-
Etrumeus acuminatus	4	-	15	-	9	-	-
Opisthonema spp.	-	-	1	-	1	-	-
Sardinops sagax	27	11	51	8	46	13	28
Engraulis mordax	548	155	842	47	454	47	417
Argentina sialis	54	6	59	7	30	13	45
Microstoma microstoma	33	8	40	3	45	6	31
Nansenia candida	44	-	26	-	25	-	18
Nansenia crassa	39	8	17	1	19	3	13
Bathylagus spp.	121	1	41	3	47	1	49
Bathylagus longirostris	1	-	-	-	5	-	-
Bathylagus milleri	13	5	13	-	8	4	2
Bathylagus ochotensis	345	13	273	29	387	13	244
Bathylagus pacificus	99	1	39	-	45	1	38
Bathylagus wesethi	164	15	156	20	298	11	127
Leuroglossus stilbius	387	52	363	28	218	22	298
Bathylychnops exilis	1	-	-	-	-	-	-
Dolichopteryx longipes	1	-	-	-	-	-	-
Macropinna microstoma	-	1	1	-	-	-	-
Osmeridae	5	-	-	-	1	-	-
Stomiiformes	8	1	1	-	5	-	3
Gonostomatidae	7	10	12	1	23	7	23
Cyclothone spp.	130	30	165	20	325	38	162
Danaphos oculatus	51	6	49	2	73	3	17
Diplophos taenia	47	-	1	-	2	-	-
Gonostoma spp.	-	-	-	-	2	-	1
Ichthyococcus spp.	7	1	8	2	40	4	18
Valenciennellus stellatus	8	-	1	-	3	1	1
Vinciguerria lucetia	271	48	164	40	379	65	222
Vinciguerria poweriae	1	-	-	-	30	-	-
Sternoptychidae	217	63	218	40	371	33	150
Chauliodus macouni	123	10	78	11	126	12	55
Idiacanthus antrostomus	25	18	30	8	67	3	9
Aristostomias scintillans	5	-	2	-	22	-	8
Bathophilus spp.	11	-	-	-	16	-	-
Eustomias spp.	1	-	-	-	1	-	-
Photonectes spp.	-	-	1	-	6	-	2
Tactostoma macropus	5	-	-	-	7	-	5
Stomias atriventer	117	9	59	6	110	11	77
Myctophiformes	2	-	-	-	-	-	-
Evermannellidae	1	-	-	-	-	-	1
Paralepididae	32	5	17	-	16	-	9
Lestidiops ringens	82	16	39	11	63	11	58
Notolepis risso	10	-	5	1	17	-	5
Stemonosudis macrura	2	-	-	-	1	-	-
Sudis atrox	-	-	-	-	5	-	-

TABLE 5. (cont.)

NAME	1972	1974	1975	1977	1978	1980	1981
Aulopus spp.	6	-	-	-	1	1	-
Scopelosaurus spp.	11	1	10	-	23	1	9
Scopelarchidae	-	-	2	-	3	-	2
Benthalbella spp.	-	-	-	-	3	-	-
Benthalbella dentata	6	-	3	-	11	-	4
Rosenblattichthys volucris	15	7	23	2	21	2	7
Scopelarchoides nicholsi	16	-	2	-	1	-	-
Scopelarchus spp.	24	-	19	3	32	3	11
Myctophidae	123	12	80	6	154	17	159
Bolinichthys spp.	11	-	-	-	2	-	-
Ceratoscopelus townsendi	68	5	66	5	212	18	80
Diaphus spp.	107	-	70	-	141	2	25
Lampadena urophaos	14	2	5	-	19	1	5
Lampanyctus spp.	281	35	151	16	269	32	168
Lampanyctus regalis	25	1	29	-	63	-	14
Lampanyctus ritteri	187	11	149	8	147	16	81
Notolychnus valdiviae	7	-	13	-	31	-	2
Notoscopelus resplendens	9	-	6	-	58	-	8
Parvilux ingens	-	-	-	-	2	-	-
Stenobrachius leucopsarus	356	29	351	11	300	18	264
Taaningichthys minimus	-	-	-	-	1	-	-
Triphoturus mexicanus	218	38	342	7	330	13	237
Triphoturus nigrescens	-	-	-	-	2	-	-
Benthosema pterota	6	-	3	-	-	-	-
Centrobranchus spp.	-	-	-	-	6	-	-
Diogenichthys spp.	-	6	15	3	24	2	18
Diogenichthys atlanticus	68	22	141	14	191	19	60
Diogenichthys laternatus	201	29	114	22	168	34	56
Electrona rissoi	15	-	7	-	20	-	6
Gonichthys tenuiculus	49	9	14	1	44	5	8
Hygophum spp.	2	-	-	-	5	-	7
Hygophum atratum	120	6	16	1	47	-	10
Hygophum reinhardtii	12	-	9	1	29	2	2
Loweina rara	2	-	3	1	9	-	3
Myctophum aurolaternatum	21	-	-	-	-	-	-
Myctophum nitidulum	13	6	22	5	65	4	13
Protomyctophum crockeri	388	62	299	39	361	87	344
Protomyctophum thompsoni	14	-	-	-	-	-	-
Symbolophorus californiensis	100	14	120	6	179	11	91
Tarletonbeania crenularis	377	26	215	-	76	17	72
Synodus spp.	11	7	41	7	14	12	7
Bregmaceros spp.	37	-	-	-	-	-	-
Gadidae	1	-	-	-	-	-	-
Gadus macrocephalus	-	-	-	-	-	-	1
Microgadus proximus	4	-	-	-	-	-	-
Merluccius productus	305	16	279	14	222	21	177
Moridae	14	-	-	-	1	-	-
Physiculus spp.	1	-	-	-	-	-	1
Macrouridae	18	-	3	-	6	-	4

TABLE 5. (cont.)

NAME	1972	1974	1975	1977	1978	1980	1981
Ophidiiformes	9	-	15	-	18	-	19
Brosmophycis marginata	7	-	5	-	11	-	5
Carapidae	2	-	-	-	-	-	-
Chilara taylori	3	-	17	-	4	-	-
Ophidion scrippsae	7	6	18	-	6	-	1
Porichthys spp.	-	-	-	-	1	-	-
Antennariidae	1	-	-	-	-	-	-
Ceratioidei	6	1	11	-	4	1	-
Lophiidae	1	-	-	-	-	-	-
Gobiesocidae	2	-	10	-	3	-	-
Exocoetidae	-	-	1	-	1	-	3
Hemiramphidae	-	-	-	-	-	-	1
Oxyporhamphus micropterus	1	-	-	-	-	-	-
Cololabis saira	31	1	7	-	10	3	7
Atherinidae	3	3	7	-	13	1	3
Trachipteridae	56	7	18	2	10	1	5
Eutaeniophoridae	2	-	-	-	2	-	-
Melamphaes spp.	219	9	130	9	181	9	79
Poromitra spp.	15	-	18	2	42	2	21
Scopeloberyx robustus	-	-	-	-	5	-	-
Scopelogadus bispinosus	21	4	5	3	19	-	4
Macroramphosus gracilis	1	3	-	-	3	2	4
Syngnathus spp.	2	3	8	-	6	-	4
Agonidae	17	1	11	-	1	2	7
Anoplopoma fimbria	1	-	1	-	-	-	-
Cottidae	28	5	44	2	17	2	23
Scorpaenichthys marmoratus	13	3	15	-	6	3	-
Cyclopteridae	14	1	13	-	3	-	7
Hexagrammidae	16	-	1	-	2	1	-
Ophiodon elongatus	-	-	1	-	-	-	1
Oxylebius pictus	3	-	4	-	-	-	6
Zaniolepis spp.	6	2	23	4	11	3	5
Scorpaenidae	2	-	-	-	-	-	-
Scorpaena spp.	3	-	11	-	8	-	6
Sebastes spp.	509	94	560	30	429	52	379
Sebastes aurora	18	-	13	2	29	2	20
Sebastes jordani	90	1	42	-	47	1	22
Sebastes levis	13	-	17	-	8	-	5
Sebastes macdonaldi	15	-	21	-	17	-	8
Sebastes paucispinis	140	10	73	11	48	7	48
Sebastolobus spp.	65	1	23	-	32	1	19
Prionotus spp.	6	-	12	-	7	-	3
Blennioidei	9	1	4	-	-	-	8
Bathymasteridae	1	-	-	-	-	-	-
Hypsoblennius spp.	16	6	82	-	50	2	19
Clinidae	30	9	67	2	23	3	17
Gobiidae	88	26	121	10	73	6	38
Microdesmidae	1	-	-	-	-	-	-
Icosteus aenigmaticus	12	-	1	-	2	-	3
Labridae	10	-	-	-	-	-	-

TABLE 5. (cont.)

NAME	1972	1974	1975	1977	1978	1980	1981
Halichoeres spp.	9	-	26	-	21	-	7
Oxyjulis californica	21	-	23	1	56	1	33
Semicossyphus pulcher	-	-	8	-	4	-	3
Pomacentridae	2	-	-	-	-	-	-
Chromis punctipinnis	2	-	22	1	14	-	16
Hypsypops rubicundus	-	-	3	-	-	-	1
Mugil spp.	2	-	-	-	1	-	-
Howella brodiei	2	-	1	-	9	-	-
Brama spp.	7	-	3	-	7	-	-
Carangidae	4	-	10	-	8	-	1
Seriola lalandi	1	-	5	-	7	-	1
Trachurus symmetricus	116	-	119	1	137	1	87
Caristius macropus	-	-	-	-	2	-	-
Coryphaena hippurus	6	1	4	-	2	-	3
Gerreidae	1	-	5	-	3	-	3
Haemulidae	1	-	8	-	12	-	2
Girella nigricans	-	-	1	1	3	-	2
Medialuna californiensis	2	-	3	-	1	-	-
Caulolatilus princeps	1	-	2	-	2	-	2
Sciaenidae	63	58	260	16	111	-	7
Cheilotrema saturnum	-	-	-	-	-	-	2
Genyonemus lineatus	-	-	-	-	-	15	64
Roncador stearnsii	-	-	-	-	-	-	1
Seriphus politus	-	-	-	-	-	-	26
Serranidae	21	-	55	1	32	1	26
Polynemidae	-	-	1	-	-	-	-
Gempylidae	15	-	-	-	12	-	1
Scombridae	-	-	1	-	1	-	-
Auxis spp.	4	-	-	-	2	-	-
Euthynnus spp.	-	-	-	-	1	-	-
Sarda chiliensis	4	-	3	-	-	-	1
Scomber japonicus	3		8		61		86
Thunnus albacares	2	-	-	-	-	-	-
Lepidopus xantusi	7	1	10	1	11	-	8
Sphyraena argentea	-	-	9	-	5	-	14
Icichthys lockingtoni	140	6	46	2	73	-	22
Cubiceps caeruleus	-	-	-	-	1	-	-
Cubiceps pauciradiatus	12	-	-	-	-	-	-
Psenes pellucidus	5	-	-	-	6	-	-
Psenes sio	5	-	-	-	-	-	-
Peprilus simillimus	11	6	54	3	65	-	31
Tetragonurus cuvieri	13	8	15	2	24	6	8
Chiasmodontidae	15	5	11	4	38	2	20
Uranoscopidae	1	-	-	-	-	-	-
Pleuronectiformes	8	-	-	-	2	-	-
Bothidae	1	-	-	-	-	-	-
Bothus spp.	8	-	-	-	-	-	-
Citharichthys spp.	227	96	357	27	297	60	153
Citharichthys stigmaeus	92	33	133	20	131	24	63
Cyclopsetta spp.	1	-	-	-	-	-	-

TABLE 5. (cont.)

NAME	1972	1974	1975	1977	1978	1980	1981
Hippoglossina spp.	-	-	-	-	1	-	-
Hippoglossina stomata	17	8	36	1	21	-	6
Paralichthys californicus	37	25	106	4	47	2	58
Syacium ovale	5	-	-	-	-	-	-
Xystreurys liolepis	5	4	12	1	5	-	3
Glyptocephalus zachirus	15	-	4	-	22	-	24
Hypsopsetta guttulata	1	5	8	2	7	1	2
Isopsetta isolepis	3	-	-	-	1	-	-
Lepidopsetta bilineata	3	-	3	-	1	-	-
Lyopsetta exilis	54	-	20	-	41	2	57
Microstomus pacificus	17	1	9	-	28	-	14
Parophrys vetulus	53	6	50	1	20	-	38
Platichthys stellatus	6	-	1	-	7	-	2
Pleuronichthys spp.	-	1	1	-	-	-	1
Pleuronichthys coenosus	3	-	3	-	6	-	2
Pleuronichthys decurrens	8	1	3	-	1	-	1
Pleuronichthys ritteri	8	2	33	1	6	4	11
Pleuronichthys verticalis	21	1	100	2	22	2	24
Psettichthys melanostictus	8	-	2	-	7	-	1
Symphurus spp.	20	8	26	1	16	-	8
Disintegrated fish larva	258	27	196	8	224	22	147
Unidentified fish larva	222	21	183	12	162	15	109

TABLE 6. List of stations which were occupied twice in one month during 1978.

Station		Month
100.0	30.0	11
100.0	60.0	11
97.0	30.0	6
97.0	32.0	6
97.0	35.0	6
97.0	40.0	6
97.0	45.0	6
97.0	50.0	6
97.0	55.0	6
97.0	60.0	6
97.0	70.0	6
100.0	29.0	6
100.0	30.0	6
100.0	35.0	6
100.0	40.0	6
103.0	30.0	6
103.0	35.0	6
103.0	40.0	6
103.0	45.0	6
103.0	50.0	6
103.0	60.0	6
103.0	70.0	6
103.0	80.0	6
107.0	50.0	6
107.0	60.0	6
107.0	70.0	6
107.0	80.0	6

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*U.S. GPO 1988/584-471/84007/7-21-88/175

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